Journal of Applied Polymer Science

Author Index to Volume 93

Abbasian, A.
—; Ghaffarian, S. R.; Mohammadi, N.; Fallahi, D.: Sensitivity of Surface Free Energy Analysis Methods to the Contact Angle Changes Attributed to the Thickness Effect in Thin Films, 1972
Abdel-Bary, E. M. See Yehia, A. A., 30
Abdel-Goad See A.Halim, M., 37
Abdollahi, M. See Mahdavian, A.-R., 2007
Abidi, N.
—; Hequet, E.: Cotton Fabric Graft Copolymerization Using Microwave Plasma. I. Universal Attenuated Total Reflectance–FTIR Study, 145
Abraham, G. A. See de Queiroz, A. A. A., 1337
Aburatani, A. See Sasazawa, K., 521
Aguiar, M. R. M. P.V, 972
Ahmad, S. See Ashraf, S. M., 82
Ahmed, I. K.
—; Synthesis of Some New Polmers by the Polycondensation of 1,1-Bis(4-chlorophenyl)-2,2,2-tricloroaethan with Bisphenols and Phase Transfer Catalysts, 651
Ahn, C. J. See Choi, I. J., 1211
Ait-Kadi, A. See Cai, H., 1623
Al-arifi, A. S. N.
—; Propylene polymerization Using $MgCl_2$/Ethylbenzoate/$TiCl_4$ Catalyst: Determination of Titanium Oxidation States, 56
Al-Aswani, H.
—; Bishawa, A. E.; Al-Roomi, Y.; Mathew, J.; Shaban, H. I.: Application of Different Kinetic Models to Analyze the Reaction Rates of Liquid Crystalline Homopolyesters, 1118
Alcaina-Miranda, M. I. See Vilaplana, F., 1384
Alirol, J.-F. See Shemper, B. S., 1252
Alkadasi, N. A. N.
—; Kapadi, U. R.; Hundiwale, D. G.: Effect of Titanate Coupling Agent on the Mechanical Properties of Clay-Filled Polybutadiene Rubber, 1299
—; Sarwade, B. D.; Hundiwale, D. G.; Kapadi, U. R.: Studies on the Effect of Titanate Coupling Agent (2.0%) on the Mechanical Properties of Flyash-Filled Polybutadiene Rubber, 1293
Almeras, X.
—; Renaut, N.; Jama, C.; Le Bras, M.; Tóth, A.; Bourbigot, S.; Marosi, Gy.; Poutch, F.: Structure and Morphology of an Intumescent Polypropylene Blend, 402
Al-Roomi, Y. See Al-Adwani, H., 1118
Al-Sigeny, S. See El-Hamshary, H., 630
Aly, A. A. See Khalil, M. I., 227
Amara, M. See Arous, O., 1401
Ambrogi, V. See Carfagna, C., 2031
Aminabhavi, T. M. See Colbeaux, A., 2245
Aminabhavi, T. M. See Margoudar, P., 1157
Anbarasan, R.
—; Babot, O.; Maillard, B.: Crosslinking of High-Density Polyethylene in the Presence of Organic Peroxides, 75
Anjum, N. See Jain, R., 1224
Araújo, P. H. H. See Reis, M. M., 1136
Arayapranee, W.
—; Prasassarakich, P.; Rempel, G. L.: Blends of Poly(Vinyl Chloride) (PVC)/Natural Rubber-*g*-(Styrene-*co*-Methyl Methacrylate) for Improved Impact Resistance of PVC, 1666
—; Rempel, G. L.: Factorial Experimental Design for Grafting of Vinyl Monomers onto Natural Rubber Latex, 455
Arous, O.
—; Amara, M.; Kerdjoudj, H.: Synthesis and Characterization of Cellulose Tracetate and Poly(ethylene imine) Membranes Containing a Polyether Macrobicylic: Their Application to the Separation of Copper(II) and Silver(I) Ions, 1401
Ashraf, S. M.
—; Ahmad, S.; Riaz, U.: Pseudothermoset Blends of Poly (methyl methacrylate) and Polypyrrole Morphological, Thermal, and Conductivity Studies, 82
Astruc, A. See Hine, P. J., 796
Atar, M. See Keskin, H., 498
Averous, L. See Le Digabel, F., 428
Aydın, A. See Şahin, Y., 526

Babot, O. See Anbarasan, R., 75
Badiger, M. V. See Gholap, S. G., 1454
Bailly, C. See Boborodea, A. G., 771
Bajpai, A. K.
—; Mishra, A.: Ionizable Interpenetrating Polymer Networks of Carboxymethyl Cellulose and Polyacrylic Acid: Evaluation of Water Uptake, 2054
Balogh, M. P. See Eckel, D. F., 1110
Baltá Calleja, F. J. See Cagiao, M. E., 301
Banerjee, A. N. See Devi, R. R., 1938
Banerjee, S.
—; Madhra, M. K.; Kute, V.: Polyimides 6: Synthesis, Characterization, and Comparison of Properties of Novel Fluorinated Poly(Ether Imides), 821
Banerjee, S. See Madhra, M. K., 235
Barsanescu, A.
—; Buhaceanu, R.; Dulman, V.; Bunia, I.; Neagu, V.: Adsorption of Zn(II) by Crosslinked Acrylic Copolymers with Amine Funtional Groups, 803
Basu, D. K. See Das, A., 196
Bayer, R. K. See Cagiao, M. E., 301
Belfiore, L. A. See Das, P. K., 1329
Bernreitner, K. See Grein, C., 1854
Berzin, F. See Tara, A., 201
Betchev, C. See Bikiaris, D., 726
Bhatia, S. R. See Crichton, M. A., 490
Bhattacharya, A.
—; Ray, P.: Studies on Suface Tension of Poly(Vinyl Alcohol): Effect of Concentration, Temperature, and Addition of Chaotropic Agents, 122
Bhuvana, S. See Hariharan, R., 1846
Bi, D. See Dong, Y., 1553
Bignotti, F.
—; Sartore, L.; Penco, M.; Ramorino, G.; Peroni, I.: Effect of Montmorillonite on the Properties of Thermosensitive Poly(*N*-Isopropylacrylamide) Composite Hydrogels, 1964

Bijanzadeh, H. R. See Mahdavian, A.-R., 2007
Bikiaris, D.
—; Prinos, J.; Botev, M.; Betchev, C.; Panayiotou, C.: Blends of Polymers with Similar Glass Transition Temperatures: A DMTA and DSC Study, 726
Bishawa, A. E. See Al-Adwani, H., 1118
Bledzki, A. K.
—; Fink, H.-P.; Specht, K.: Unidirectional Hemp and Flax EP- and PP-Composites: Influence of Defined Fiber Treatments, 2150
Blin, C.
—; Sun, W.; Jiang, L.; Wang, L.; Shen, Z.: Bithiazole-Containing Polymeric Complex and PVA Composite Film: Preparation and Magnetic Properties, 1264
Boborodea, A. G.
—; Clemens, M.; Daoust, D.; Bailly, C.: Gel Permeation Chromatography Calibration Based on Fractal Geometry, 771
Bokobza, L.
—; Elastomeric Composites. I. Silicone Composites, 2095
Bongiovanni, R. See Sangermano, M., 584
Boquillon, N. See Le Digabel, F., 428
Borda, G. See Reyes, P., 1602
Botev, C. See Bikiaris, D., 726
Boubigot, S. See Almeras, X., 402
Bräuer, M. See Nagel, J., 1186
Bretagne, N. See Mamy P. R., 2313
Brisson, J. See Cai, H., 1623
Bucio, E.
—; Burillo, G.; del Pilar Carreón-Castro, M.; Ogawa, T.: Functionalization of Polypropylene Film by Radiation Grafting of Acryloyl Chloride and Subsequent Esterification with Disperse Red 1, 172
Buhaceanu, R. See Barsanescu, A., 803
Bunia, I. See Barsanescu, A., 803
Burczyk, A. See Van Dyke, J. D. (Jack), 1423
Burillo, G. See Bucio, E., 172

Cabeza, C. See Dolz, M., 481
Cabrera, G. See Cárdenas, G., 1876
Cagiao, M. E.
—; Rueda, D. R.; Bayer, R. K.; Baltá Calleja, F. J.: Structural Changes of Injection Molded Starch During Heat Treatment in Water Atmosphere: Simultaneous Wide and Small-Angle X-ray Scattering Study, 301
Cai, H.
—; Ait-Kadi, A.; Brisson, J.: Rheological Quantification of Molecular Parameters: Application to a Hydrogen Bond Forming Blend, 1623
Çakmak, G.
—; Küçükyavuz, Z.; Küçükyavuz, S.: Flexible and Conducting Composites of Polypyrrole and Polydimethylsiloxane, 736
Calleja, F. J. B.
—; Flores, A.; Michler, G. H.: Microindentation Studies ath the Near Surface of Glassy Polymers: Influence of Molecular Weight, 1951
Calvert, P. D. See Liu, Z. S., 356
Cao, G.-P.
—; Zhu, Z.-N.; Zhang, M.-H.; Yuan, W.-K.: Kinetics of Butylacrylate Polymerization in a Starved Feed Reactor, 1519
Cao, X. See Huang, J., 624
Cao, Y. See Pan, G., 577
Cárdenas, G.
—; Cabrera, G.; Taboada, E.; Miranda, S. P.: Chitin Characterization by SEM, FTIR, XRD, and ^{13}C Cross Polarization/Mass Angle Spinning NMR, 1876
Carfagna, C.
—; Ambrogi, V.; Cicala, G.; Pollicino, A.; Recca, A.; Costa, G.: Reactive Microspheres as Active Fillers for Epoxy Resins, 2031
Carrasco, F.
—; Pagès, P.: Kinetics of the Thermal Decomposition of Green Alga Ulva by Thermogravimetry, 1913
Casanovas, A. See Dolz, M., 481
Cassu, S. N.
—; Felisberti, M. I.: Polystyrene and Polyester Polyurethane Elastomer Blends Compatibilized by SMA, 2297
Chakraborty, S.
—; Sahoo, N. G.; Jana, G. K.; Das, C. K.: Self-Reinforcing Elastomer Composites Based on Ethylene–Propylene–Diene Monomer Rubber and Liquid-Crystalline Polymer, 711
Chan, F.-B. See Wang, Y., 100
Chanda, M.
—; Sarkar, A.; Modak, J. M.: Ethoxylated Polyethylenimine Gel-Coated on Textile-Grade Acrylic Fiber. A Thermally Regenerable Superfast Sorbent for Water Desalination, 883
Chang, C.-L. See Lin, D.-J., 2266
Chang, H.-M. See Lemeune, S., 1219
Chang, J.-S. See Huang, Y.-B., 1886
Chang, Y. See Xu, Q., 742
Chaudhary, D. S.
—; Jollands, M. C.: Characterization of Rice Hull Ash, 1
Chen, B. See Liang, H., 681
Chen, C. S. See Lin, C. B., 2254
Chen, D.-J. See Zhang, Q.-H., 669
Chen, G. See Zhu, X., 1539
Chen, G. X.
—; Hao, G. J.; Guo, T. Y.; Song, M. D.; Zhang, B. H.: Crystallization Kinetics of Poly(3-Hydroxybutyrate-*co*-3-Hydroxyvalerate)/Clay Nanocomposites, 655
Chen, P.
—; Zhang, W.; Luo, W.; Fang, Y.: Synthesis of Superabsorbent Polymers by Irradiation and Their Applications in Agriculture, 1748
Chen, R.
—; Jakes, K. A.; Foreman, D. W.: Peak-Fitting Analysis of Cotton Fiber Powder X-ray Diffraction Spectra, 2019
Chen, S. See Hua, Z., 1788
Chen, Y.
—; Liu, P.: Surface Modification of Polyethylene by Plasma Pretreament and UV-induced Graft Polymerization for Improvement of Antithrombogenicity, 2014
Chen, Y.-T. See Liau, L. C.-K. L., 2142
Chen, Z.-H. See Lin, C. B., 2254
Cheng, L.-P. See Lin, D.-J., 2266
Cheng, Z. See Zhu, X., 1539
Cheong, S. I.
—; Penlidis, A.: Modeling of the Copolymerization, with Depropagation, of α-Methyl Styrene and Methyl Methacrylate at an Elevated Temperature, 261
Cheung, H. M. See Wang, R., 545
Cheung, W. L. See Lin, X. D., 1989
Chiang, S. See Devlin, C. L. H., 1192
Chiu, S.-S. See Lin, Y.-S., 2045
Cho, J.-D.
—; Hong, J.-W.: UV-Initiated Free Radical and Cationic Photopolymerizations of Acrylate/Epoxide and Acrylate/Vinyl Ether Hybrid Systems with and Without Photosensitizer, 1473
Choe, S. See Kim, K.-J., 2105

Choi, D.-i.
—; Yeom, E. H.; Park, M.; Kim, J. K.; Kim, B. C.: Preparation and Properties of Methyl Methacrylate and Fluoroacrylate Copolymers for Plastic Optical Fiber Cladding, 2082
Choi, I. J.
—; Ahn, C. J.; Yoon, T. H.: Adhesion Property of Sulfonated Poly(arylene ether sulfone)s, 1211
Choi, K. H. See Lee, J. S., 1638
Choi, S.-S
—; Effect of Bound Rubber on Characteristics of Highly Filled Styrene-Butadiene Rubber Compounds with Different Types of Carbon Blacke 1001
Choi, U. S. See Ko, Y. G., 1559
Chun, D. H. See Lee, J. S., 1638
Chung, W. Y. See Lee, S. M., 2114
Cianga, I. See Muftuoglu, A. E., 387
Cicala, G. See Carfagna, C., 2031
Clemens, M. See Boborodea, A. G., 771
Clemons, C. M. See Stark, N. M., 1021
Colbeaux, A.
—; Fenouillot, F.; Gerard, J.-F.; Taha, M.; Wautier, H.: Compatibiulization of a Polyolefin Blend Through Covalent and Ionic Coupling of Grafted Polypropylene and Polyethylene. II. Morphology, 2237
Collard, D. M. See Min, B., 1793
Cook, W. D.
—; Scott, T. F.; Quay-Thevenon, S.; Forsythe, J. S.: Dynamic Mechanical Thermal Analysis of Thermally Stable and Thermally Reactive Network Polymers, 1348
Costa, G. See Carfagna, C., 2031
Crichton, M. A.
—; Bhatia, S. R.: Samll-Angle Neutron Scattering of Poly(styrene)/Poly(acrylic acid–ethyl acrylate) Copolymers: The Effect of the Degree of Hydrolysis of the Poly(acrylic acid–ethyl acrylate) Block, 490
Cruz, G. J.
—; Palacios, J. C.; Olayo, M. G.; Morales, J.; Olayo, R.: Conductivity of Layer and Matrix Polyaniline–Silver–Copper Composites by Plasma, 1031
Cui, X.
—; Yan, D.: Synthesis and Characterization of Novel Odd-Even Nylons Based on Eicosanedioic Acid, 2066

Dai, M. See Zhang, Q.-H., 669
Dai, S.-C. See Yu, Z.-Z., 1462
Daoud, W. A.
—; Xin, J. H.: Regioregular Poly(30Alkylthiophenes): Synthesis, Characterization, and Application in Conductive Fabrics, 2131
Daoust, D. See Boborodea, A. G., 771
Dare, E. O.
—; Olatunji, G. A.; Ogunniyi, D. S.: Organic–Inorganic Hybrid Material. I. Synthesis, Characterization, and Thermal Prperty of a Novel Polyhedral Cubic Silsesquioxane, 907
Das, A.
—; Debnath, S. C.; De, D.; Basu, D. K.: Evaluation of Physical Properties and Curing Characteristics of Silica-Filled Ethylene–Propylene–Diene Terpolymer in the Presence of Cloroprene Rubber, 196
Das, C. K. See Chakraborty, S., 711
Das, C. K. See Khatua, B. B., 845
Das, P. K.
—; Belfiore, L. A.: Nonlinear Stress Relaxation in Palladium(II) Complexes with Triblock Copolymers of Styrene and Butadiene, 1329
Day, M. See Lu, S., 1236
De, D. See Das, A., 196
de Aguiar, A. P. See Jandrey, A. C., 972
Debnath, S. C. See Das, A., 196
Debondue, E.
—; Fournier, J.-E.; Lacrampe, M.-F.; Krawczak, P.: Weld-Line Sensitivity of Injected Amorphous Polymers, 644
Delegido, J. See Dolz, M., 481
del Pilar Carreón-Castro, M. See Bucio, E., 172
Demin, J. See Duxin, L., 420
Denes, F. S. See Jiang, H., 1411
Deng, Y. See XU, G. G., 1673
Denizli, A. See Odabaşıi, M., 719
de Queiroz, A. A. A.
—; França, E. J.; Abraham, G. A.; San Roman, J.: Drug Complexation and Physiochemical Properties of Vinylpyrrolidone-*N*-*N*′-dimethylacrylamide Copolymers, 1337
Desai, S. M. See Rathore, K., 348
de Santa Maria, L. C. See Jandrey, A. C., 972
Devi, R. R.
—; Maji, T. K.; Banerjee, A. N.: Studies on Dimensional Stability and Thermal Properties of Rubber Wood Chemically Modified with Styrene and Glycidyl Methacrylate, 1938
Devipriya, S. See Joseph, M., 1816
Devlin, C. L. H.
—; Chiang, S.; Russell, T. P.: The Effects of Varied Imidization Conditions on Rubbed Polyimide Film Surface Morphology, 1192
Díaz, E.
—; Valenciano, R. B.; Katime, I. A.: Studey of Complexes of Poly(vinyl Pyrrolidone) with Copper and Cobalt on Solid State, 1512
Ding, M.-X. See Zhang, Q.-H., 669
Diniz, T. M. F. F.
—; Tavares, M. I. B.: Solution and Solid-State NMR Investigation of Poly(mehtyl methacrylate)/Poly(vinyl pyrrolidone) Blends, 372
Dole, P. See Le Digabel, F., 428
Dolz, M.
—; Hernández, M. J.; Cabeza, C.; Casanovas, A.; Delegido, J.: Analysis of Stability of Food Emulsions by Eyring's Theory: Influence od Different Biopolymers, 481
Domenech, A. See Shemper, B. S., 1252
Dong, Y.
—; Ruan, Y.; Wang, H.; Zhao, Y.; Bi, D.: Studies on Glass Transition Temperature of Chitosan with Four Techniques, 1553
Du, Q. See Shen, L., 2289
Dubolazov, A. V. See Khutoryanskiy, V. V., 1946
Dulman, V. See Barsanescu, A., 803
Dupre, J. C. See Mamy P. R., 2313
Duxin, L.
—; Demin, J.; Ping, Z.: Compatibilization of Polypropylene/Nylon 6 Blends with a Polypropylene Solid-Phase Graft, 420

Eckel, D. F.
—; Balogh, M. P.; Fasulo, P. D.; Rodgers, W. R.: Assessing Organo-Clay Dispersion in Polymer Nanocomposites, 1110
Eguizábal, J. I. See Retolaza, A., 2193
Eid, B. M. See Ibrahim, N. A., 1825

El-Hady, B. A.
—; Ibrahim, M. M.: Graft Copolymerization of Acrylamide onto Carboxymethylcellulose with the Xanthate Method, 271
El-Hamshary, H.
—; Al-Sigeny, S.: Catalytic Activities of Amino Acid Modified, Starch-Grafted Acrylamide for the Decomposition of Hydrogen Peroxide, 630
El-Hossamy, M. See Ibrahim, N. A., 1825
Ellul, M. D. See Jayaraman, K., 113
El-Mohdy, H. L. A. See El-Rehim, H. A. A., 1360
El-Mossalamy, E. H.
—; Synthesis and Characterization of Aspartate Polymer Complexes, 942
El-Rehim, H. A. A.
—; Hegazy, E.-S. A.; El-Mohdy, H. L. A.: Radiation Synthsis of Hydrogels to Enhance Sandy Soils Water Retension and Increase Plant Performance, 1360
El Sayed, A. M.
—; Kawasaki, H.; Maeda, H.: Gel Shrinking Resulting from Uneven Distribution of ionic Micelles Between the Inside and the Outside of the Polymer Gel Network, 2001
Erhan, S. Z. See Liu, Z. S., 356

Fallahi, D. See Abbasian, A., 1972
Fan, L. See Sun, Y., 513
Fan, Z.-Q. See Xu, J.-T., 1724
Fang, Q.
—; Li, G.-Z.; Zeng, X.; Jiang, L.-X.: Investigation on the Properties of a Three-Component Copolymer Consisting of Tris(Allylphenoxy) Triazine Monomer and a Diamine-Chain-Extension Bismaleimide, 475
Fang, Q. See Guan, R., 1698
Fang, Y. See Chen, P., 1748
Fasulo, P. D. See Eckel, D. F., 1110
Fateh-Alavi, K.
—; Karlsson, S.; Gedde, U. W.: A Rapid Microwave-Assisted Solvent Extraction Method for Assessment of Stabilizer Concentration in Crosslinked Polydimethylsiloxane, 2185
Felisberti, M. I. See Cassu, S. N., 2297
Felzenszwalb, I. See Jandrey, A. C., 972
Feng, B. See Gao, J., 2180
Feng, M. See Zhao, C., 676
Fenouillot, F. See Colbeaux, A., 2237
Fernandes, F. A. N.
—; Lona, L. M. F.: Multizone Circulating Reactor Modeling for Gas-Phase Polymerization. I. Reactor Modeling, 1042
—; Lona, L. M. F.: Multizone Circulating Reactor Modeling for Gas-Phase Polymerization. II. Reactor Operating with Gas Barrier in the Downer Section, 1053
Fink, H.-P. See Bledzki, A. K., 2150
Flores, A. See Calleja, F. J. B., 1951
Fonseca, C. P.
—; Guedes, C. G. F.; Rosa, D. S.; Neves, S.: Influence of $LiC1O_4$ on the Thermal, Mechanical, and Morphological Properties of P(DMS-*co*-EO)/P(EPI-*co*-EO) Blends, 1230
Foreman, D. W. See Chen, R., 2019
Forsythe, J. S. See Cook, W. D., 1348
Fotheringham, A. F. See Yang, R., 568
Founier, J.-E. See Debondue, E., 644
França, E. J. See de Queiroz, A. A. A., 1337
Fuchs, A. See Peng, S., 1240

Gahleitner, M. See Grein, C., 1854
Gakh, A. See Thorat, S. D., 534
Gao, G. See Liu, W., 956
Gao, J.
—; Shao, X.; Feng, B.; Zhao, J.; Mao, S.: Study on Temperature-Resistant Properties of Polymer–Matrix Solid Film Lubricants, 2180
—; Wang, D.; Yu, M.; Yao, Z.: Nonisothermal Crystallization, Melting Behavior, and Morphology of Polypropylene/Metallocene-Catalyzed Polyethylene Blends, 1203
Gao, L.-X. See Zhang, Q.-H., 669
Gao, Z.
—; Zhao, X.: Preparation and Electrorheological Characteristics of β-Cyclodextrin–Epichlorohydrin–Starch Polymer Suspensions, 1681
Garcia-Leiner, M.
—; Lesser, A. J.: CO_2-Assisted Polymer Processing: A New Alternative for Intractable Polymers, 1501
Gawish, S. M. See Ramadan, A. M., 1743
Ge, X. C.
—; Li, X. H.; Meng, Y. Z.: Tensile Properties, Morphology, and Thermal Behavior of PVC Composites Containing Pine Flour and Bamboo Flour, 1804
Gedde, U. W. See Fateh-Alavi, K., 2185
Geng, W. See Li, N., 1597
Gerard, J.-F. See Colbeaux, A., 2237
Ghaffarian, S. R. See Abbasian, A., 1972
Ghim, H. D.V, 1638
Gholap, S. G.
—; Badiger, M. V.: Synthesis and Characterization of Polyamphoteric Hydrogel Membrane Based on Chitosan, 1454
Gierlinger, N. See Gindl, W., 1900
Gindl, W.
—; Hansmann, C.; Gierlinger, N.; Schwanninger, M.; Hinterstoisser, B.; Jeronimidis, G.: Using a Water-Soluble Melamine-Formaldehyde Resin to Improve the Hardness of Norway Spruce Wood, 1900
Giudici, R. See Reis, M. M., 1136
Glasser, W. G. See Rennecker, S., 1484
Gnatowski, M. See Van Dyke, J. D. (Jack), 1423
Gnecco, J. See Reyes, P., 1602
Gong, F. See Zhao, C., 676
Gong, J. See Zhang, J., 1089
Gong, S.-L.
—; Yu, Z.-J.; Meng, L.-Z.; Hu, L.; He, Y.-B.: Dye-Molecular-Imprinted Polysiloxanes. II. Preparation, Characterization, and Recognition Behavior, 637
González, L. See Valentín, J. L., 1756
Gordillo, A. See Sánchez-Soto, M., 1271
Govindaraj, B.
—; Sastry, N. V.; Venkataraman, A.: Thermal and Morphological Studies on γ-Fe_2O_3 Polystyrene Composites and the Affect of Additives, 778
Grein, C.
—; Bernreitner, K.; Gahleitner, M.: Potential and Limits of Dynamic Mechanical Analysis as a Tool for Fracture Resistance Evaluation of Isotactic Polypropylenes and Their Polyolefin Blends, 1854
Grigorian, A. See Grunlan, J. C., 1102
Grundke, K. See Nagel, J., 1186
Grunlan, J. C.
—; Grigorian, A.; Hamilton, C. B.; Mehrabi, A. R.: Effect of Clay Concentration on the Oxygen Permeability and Optical

Properties of a Modified Poly(vinyl Alcohol), 1102
Gu, M. See Wang, J., 789
Gu, Y. See Huang, Y., 1198
Gu, Y. See Zhu, X., 1539
Gu, Z. See Zhang, J., 1089
Guan, R.
—; Wang, B.; Lu, D.; Fang, Q.; Xiang, B.: Microcellular Thin PET Sheet Foam Preparation by Compression Molding, 1698
Guedes, C. G. F. See Fonseca, C. P., 1230
Güner, A. See Şenöz, H., 2262
Guo, T. Y. See Chen, G. X., 655
Gupta, B. See Jain, R., 1224
Güven, O. See Kavaklı, P. A., 1705

Ha, M. H.
—; Kim, B. K.; Kim, E. Y.: Effects of Dispersed Phase Composition on Thermoplastic Polyolefins, 179
Halim, M. A.
—; Abdel-Goad: Dynamic Mechanical Properties of Agricultural Residues-Filled Polystyrene, 37
Hamilton, C. B. See Grunlan, J. C., 1102
Hansmann, C. See Gindl, W., 1900
Hao, G. J. See Chen, G. X., 655
Hariharan, R.
—; Bhuvana, S.; Malbi, M. A.; Sarojadevi, M.: Synthesis and Characterization of Polyimides Containing Pyridine Moiety, 1846
Hasegawa, N.
—; Okamoto, H.; Usuki, A.: Preparation and Properties of Ethylene Propylene Rubber (EPR)–Clay Nanocomposites Based on Maleic Anyhydride-Modified EPR and Organophilic Clay, 758
—; Usuki, A.: Silicate Layer Exfoliation in Poly/Clay Nanocomposites Based on Maleic Anhydride Modified Polyolefins and Organohilic Clay, 464
Hashim, A. S. See Neoh, S. B., 1660
Haukka, M. See Turunen, J. P. J., 1812
Hayashi, K. See Matsuyama, H., 471
Haynes, S. D.
—; Mitchell, B. S.: Preparation and Characterization of Ball-Milled Nafion® Powders fro Membrane Applications, 2275
Hazer, B. See Macit, H., 219
He, B. See Zhang, Y., 1719
He, J. See Sun, X., 163
He, P. See Zhang, Y., 1719
He, Y.-B. See Gong, S.-L., 637
Hefny, Y. A. See Yehia, A. A., 30
Hegazy, E.-S. A. See El-Rehim, H. A. A., 1360
Hequet, E. See Abidi, N., 145
Hernández, M. J. See Dolz, M., 481
Hevus, O. I. See Kohut, A. M., 310
Hibbs, M. R. See Min, B., 1793
Hine, P. J.
—; Astruc, A.; Ward, I. M.: Hot Compaction of Polyethylene Naphthalate, 796
Hinterstoisser, B. See Gindl, W., 1900
Hoffmann, H. See Ye, L., 1175
Hon, M.-H. See Wang, J.-W., 809
Hong, J.-W. See Cho, J.-D., 1473
Hong, X. See Li, E., 189
Hormi, O. See Skrifvars, M., 1285
Hu, C.-C.
—; Tu, C.-Y.; Wang, Y.-C.; Li, C.-L.; Lee, K.-R.; Lai, J.-Y.: Effects of Plasma Treatment on CO_2 Plasticization of Poly(mehtyl methacrylate) Gas-Separation Membranes, 395
Hu, G.-H. See Xia, H., 378
Hu, L. See Gong, S.-L., 637
Hu, W. See Tse, M. F., 323
Hu, X.
—; Lesser, A. J.: Influence of Interchain Forces and Supermolecular Structure on the Drawing Behavior of Nylon 66 Fibers in the Presence of Supercritical Carbon Dioxide, 2282
Hu, Y. See Li, Z., 314
Hua, Z.
—; Qi, G.; Chen, S.: Ring-Opening Copolymerization of Maleic Anhydride with Propylene Oxide by Double-Metal Cyanide, 1788
Huang, J.
—; Zhang, L.; Wei, H.; Cao, X.: Soy Protein Isolate/Kraft Lignin Composites Compatibilized with Methylene Diphenyl Diisocynanate, 624
Huang, J.-W.
—; Kang, C.-C.: Effect of Imidization Conditions on the Morphology of Polyimide, 1065
Huang, R. See Ye, L., 1175
Huang, Y.
—; Qin, J.; Gu, Y.: Polyimide–Silica Hybrid Films Made from Polyamic Acids Containing Phenolic Hydroxyl Groups, 1198
Huang, Y.-B.
—; Tsai, Y.-H.; Yang, W.-C.; Chang, J.-S.; Wu, P.-C.: Influence of Formulation Variables and Manufacturing Process on Propranolol Extended Release Profile from HPMC Matrices Tablets, 1886
Huang, Y. See Zhou, X., 550
Hulin, V. See Shemper, B. S., 1252
Hunag, G. Q. See Wang, M. L., 1326
Hundiwale, D. G. See Alkadasi, N. A. N., 1293
Hundiwale, D. G. See Alkadsi, N. A. N., 1299
Hupfer, B. See Nagel, J., 1186

Iborra-Clar, A. See Vilaplana, F., 1384
Ibrahim, M. M. See El-Hady, B. A., 271
Ibrahim, N. A.
—; El-Hossamy, M.; Morsy, M. S.; Eid, B. M.: Developement of New Eco-Friendly Options for Cotton Wet Processing, 1825
Ikeda, A. See Sakugawa, K., 1372
Im-Erbsin, S.
—; Prasassarakich, P.; Rempel, G. L.: Hydroformylation of High-Molecular-Weight *cis*-1,4-Polybutadiene Catalyzed by $HRh(CO)(PPH_3)_3$, 854
Inagaki, N. See Park, Y. W., 1012
Inamura, I. See Sato, M., 1616
Intarakong, C. See Kovuttikulrangsie, S., 833
Irwan, G. S.
—; Kuroda, S.-i.; Kubota, H.; Kondo, T.: Effect of Mixed Solvent Consisting of Water and Organic Solvent on Photografting of Glycidyl Methacrylate on Polyethylene Film, 994
Isayev, A. I. See Oh, J. S., 1166
Ishisaka, A.
—; Kawagoe, M.: Examination of the Time–Water Content Superposition on the Dynamic Viscoelasticity of Moistened Polyamide 6 and Epoxy, 560
Ismail, M. N. See Yehia, A. A., 30
Isono, Y. See Klinklai, W., 555

Jacob, M.
—; Thomas, S.; Varughese, K. T.: Natural Rubber Composites Reinforced with Sisal/Oil Palm Hybrid Fibers: Tensile and Cure Characteristics, 2305
Jain, R.
—; Gupta, B.; Anjum, N.; Revagade, N.; Singh, H.: Preparation of Antimicrobial Sutures by Preirradiation Grafting of Acrylonitrileonto Polypropylene Monofiliament–II: Mechanical,

Physical, and Thermal Characteristics, 1224
Jakes, K. A. See Chen, R., 2019
Jama, C. See Almeras, X., 402
Jameel, H. See Lemeune, S., 1219
Jana, G. K. See Chakraborty, S., 711
Jandrey, A. C.
—; de Santa Maria, L. C.; de Aguiar, A. P.; Aguiar, M. R. M. P.; Mazzei, J. L.; Felzenszwalb, I.: Iodine Bactericidal Action Adsorbed in 2-Vinylpyridine Copolymer Networks, 972
Jayaram, R. V. See Salgaonkar, L. P., 1981
Jayaraman, K.
—; Kolli, V. G.; Kang, S.-Y.; Kumar, S.; Ellul, M. D.: Shear Flow Behavior and Oil Distribution Between Phases in Thermoplastic Vulcanizates, 113
Jeng, Y.-S. See Lin, D.-J., 2266
Jeronimidis, G. See Gindl, W., 1900
Ji, B. C. See Lyoo, W. S., 41
Jia, D. See Lin, X. D., 1989
Jia, Y.-G.
—; Zhang, B.-Y.; Tian, M.; Pan, W.: Synthesis and Structure of Polysiloxane Liquid Crystalline Elastomers with a Mesogenic Crosslinking Agent, 1736
Jiang, C. See Lei, J., 1584, 1591
Jiang, H.
—; Manolache, S.; Wong, A. C. L.; Denes, F. S.: Plasma-Enhanced Deposition of Silver Nanoparticles onto Polymer and Metal Surfaces for the Generation of Antimicrobial Characteristics, 1411
Jiang, L. See Lin, C., 1264
Jiang, L.-X. See Fang, Q., 475
Jin, M. Y. See Kim, D. W., 1711
Jo, S. M. See Kim, D. B., 1687
Jollands, M. C. See Chaudhary, D. S., 1
Jonnalagadda, S.
—; Robinson, D. H.: Effect of the Inclusion of PEG on the Solid-State Properties and Drug Release from Polylactic Acid Films and Microcapsules, 2025
Jönsson, S. See Sangermano, M., 584
Joseph, M.
—; Mathew, T.; Devipriya, S.; Kuriakose, S.: Encapsulation and Controlled Release in Polyacrylamide Hydrogels, 1816
Joseph, R. See Sulekha, P. B., 437

Kadla, J. F. See Lemeune, S., 1219
Kajitani, Y. See Sato, M., 1616
Kalużyñski, K. See Wódzki, R., 1436
Kaneto, K. See Rajesh, 927
Kang, C.-C. See Huang, J.-W., 1065
Kang, J. See Kim, D. W., 1711
Kang, S.-Y. See Jayaraman, K., 113
Kang, Y. See Kim, D. W., 1711
Kapadi, U. R. See Alkadasi, N. A. N., 1293
Kapadi, U. R. See Alkadsi, N. A. N., 1299
Kar, K. K. See Nigam, V., 2201
Karlsson, S. See Fateh-Alavi, K., 2185
Karthikeyan, K. G. See Tshabalala, M. A., 1577
Katime, I. A. See Díaz, E., 1512
Kavaklıı, P. A.
—; Güven, O.: Removal of Concentrated Heavy Metal Ions from Aqueous Solutions Using Polymers with Enriched Amidoxime Groups, 1705
Kawagoe, M. See Ishisaka, A., 560
Kawaguchi, Y.
—; Oishi, T.: Synthesis and Properties of Thermoplastic Expandable Microspheres: The Relation Between Crosslinking Density and Expandable Property, 505
Kawahara, S. See Klinklai, W., 555
Kawasaki, H. See El Sayed, A. M., 2001
Kawase, T. See Sasazawa, K., 521
Ke, Y. See Li, Z., 314
Kerdjoudj, H. See Arous, O., 1401
Keskin, H.
—; Atar, M.; Yavuzcan, H. G.: Impact of Impregnation and Bleaching on the Surface Hardness of Oak (*Quercus petraea* L.) Wood, 498
Khalil, M. I.
—; Aly, A. A.: Use of Cationic Starch Derivatives for the Removal of Anionic Dyes from Textile Effluents, 227
Khatua, B. B.
—; Das, C. K.: Interchain Crosslinkable Polymer Blends of Polyurethane and Polyacrylic Elastomer (Sulfur Cure), 845
Khutoryanskiy, V. V.
—; Nurkeeva, Z. S.; Mun, G. A.; Dubolazov, A. V.: Effect of Temperature on Aggregation/Dissociation Behavior of Interpolymer Complexes Stabilized by Hydrogen Bonds, 1946
Kijowska, D.
—; Wolowiec, S.; Lubczak, J.: Kinetics and Mechanism of Initial Steps of Synthesis of Polyetherols from Melamine and Ethylene Carbonate, 294
Kim, B. C. See Choi, D.-i., 2082
Kim, B. C. See Lyoo, W. S., 41
Kim, B. K. See Ha, M. H., 179
Kim, D. B.
—; Jo, S. M.; Lee, W. S.; Pak, J. J.: Physical Agglomeration Behavior in Preparation of Cellulose-*N*-Methyl Morpholine *N*-oxide Hydrate Solutions by Simple Mixing, 1687
Kim, D.-H. See Park, J. S., 911
Kim, D. S.
—; Park, H. B.; Lee, Y. M.; Park, Y. H.: Preparation and Characterization of PVDF/Silica Hybrid Membranes Containing Sulfonic Acid Groups, 209
Kim, D. See Yang, J.-H., 1762
Kim, D. W.
—; Kang, Y.; Jin, M. Y.; Seok, S.; Won, J. C.; Lee, C.; Yi, J.; Kim, J.; Kang, J.; Shin, J. S.: Porous Polyimide Films Prepared by Thermolysis of Porogens with Hyperbranched Structure, 1711
Kim, E. Y. See Ha, M. H., 179
Kim, H.-D. See Kwon, J.-Y., 700
Kim, H. K. See Park, E.-S., 765
Kim, H. Y. See Lee, J. S., 1638
Kim, J. H. See Lyoo, W. S., 41
Kim, J. K. See Choi, D.-i., 2082
Kim, J. K. See Lee, S. M., 2114
Kim, J. See Kim, D. W., 1711
Kim, K.-J.
—; White, J. L.; Shim, S. E.; Choe, S.: Effects of Stearic Acid Coated Talc, $CaCO_3$, and Mixed Talc/$CaCO_3$ Particles on the Rheological Properties of Polypropylene Compounds, 2105
Kim, M.-N. See Park, E.-S., 765
Kim, S. I. See Kim, S. J., 1097
Kim, S. J.
—; Lee, K. J.; Kim, S. I.: Swelling Behavior of Polyelectrolyte Complex Hydrogels Composed of Chitosan and Hyaluronic Acid, 1097
Kim, S. S. See Lee, J. S., 1638
Klinklai, W.
—; Saito, T.; Kawahara, S.; Tashiro, K.; Suzuki, Y.; Sakdapipanich, J. Y.; Isono, Y.: Hyperdeproteinized Natural Rubber Prepared with Urea, 555
Klinpituksa, P. See Kovuttikulrangsie, S., 833
Ko, Y. G.
—; Choi, U. S.; Sung, B. H.: Chemical Structure Designing to Enhance

the Yield Stress of Electrorheological Fluids Based on Modified Chitosan Compounds, 1559
Kobayashi, M. See Togawa, J., 934
Kohut, A. M.
—; Hevus, O. I.; Voronov, S. A.: Synthesis and Properties of 4-(ω-Methoxyoligodimethylsiloxanyl)butyl Maleate: A New Surfmer, 310
Kolli, V. G. See Jayaraman, K., 113
Kondo, T. See Irwan, G. S., 994
Koo, Y.-S. See Kwon, J.-Y., 700
Koshino, T. See Sato, M., 1616
Koskinen, R. See Skrifvars, M., 1285
Koutsandreas, A. See Van Dyke, J. D. (Jack), 1423
Kovuttikulrangsie, S.
—; Sahakaro, K.; Intarakong, C.; Klinpituksa, P.: PMMA Blended and DPNR-*g*-PMMA Coated DPNR and NR-LA for Dipping Applications, 833
Kowsari, E. See Mallkpour, S., 2218
Kozlov, G. V.
—; Malkanduev, Y. A.; Zaikov, G. E.: Gelatin in the Radical Polymerization of Dimethyl Diallyl Ammonium Chloride, 1394
Kratochvíl, J.
—; Sikora, A.: Crystallization Behavior of Poly(*N*-methyldodecano-12-lactam). III. Kinetics of Isothermal Crystallization, 279
Krawczak, P. See Debondue, E., 644
Krupa, I. See Novák, I., 662
Kubo, Y. See Sato, M., 1616
Kubota, H. See Irwan, G. S., 994
Kubota, N. See Matsuyama, H., 471
Küçükyavuz, S. See Çakamk, G., 736
Küçükyavuz, Z. See Çakamk, G., 736
Kumar, S. See Jayaraman, K., 113
Kumar, S. See Min, B., 1793
Kumar, S. See Singh, M., 47
Kuriakose, S. See Joseph, M., 1816
Kuroda, S.-i. See Irwan, G. S., 994
Kute, V. See Banerjee, S., 821
Kweon, H. Y. See Lee, K.-G., 2174
Kwon, J.-Y.
—; Koo, Y.-S.; Kim, H.-D.: Preparation and Properties of Waterborne Polyurethane/Polyaniline Codoped with Dodecyl Benzene Sulfonic Acid and Hydrochloric Acid Blends, 700

Lacrampe, M.-F. See Debondue, E., 644
Lagare, M. T. See Margoudar, P., 1157
Lai, J.-Y. See Hu, C.-C., 395
Lam, K. Y. See Li. H., 1928
Laurienzo, P. See Laurino, C., 23
Laurino, C.
—; Laurienzo, P.; Malinconico, M.; Scoponi, M.; Sorrentino, A.; Vacca, P.; Volpe, M. G.: Innovative Polyamide-Based Packaging of Fresh Meat, 23
Le Bras, M. See Almeras, X., 402
Le Digabel, F.
—; Boquillon, N.; Dole, P.; Monties, B.; Averous, L.: Properties of Thermoplastic Composites Based on Wheat-Straw Lignocellulosic Fillers, 428
Lee, C. See Kim, D. W., 1711
Lee, D. H. See Park, J. S., 911
Lee, D.-S. See Park, Y.-W., 342
Lee, D. See Yang, J.-H., 1762
Lee, J.-H. See Lee, K.-G., 2174
Lee, J. S.
—; Choi, K. H.; Ghim, H. D.; Kim, S. S.; Chen, D. H.; Kim, H. Y.; Lyoo, W. S.: Role of Molecular Weight of Atactic Poly(vinyl alcohol) (PVA) in the Structure and Properties of PVA Nanofabric Prepared by Electrospinning, 1638
Lee, K.-G.
—; Kweon, H. Y.; Yeo, J.-H.; Woo, S.-O.; Lee, J.-H.; Park, Y. H.: Structural and Physical Properties of Silk Fibroin/alginate Blend Sponges, 2174
Lee, K. J. See Kim, S. J., 1097
Lee, K.-R. See Hu, C.-C., 395
Lee, S. J. See Lyoo, W. S., 41
Lee, S. M.
—; Chung, W. Y.; Kim, J. K.; Suh, D. H.: A Novel Fluorescence Temperature Sensor Based on a Surfactant-free PVA/Borax/2-Naphthol Hydrogel Network System, 2114
Lee, W. S. See Kim, D. B., 1687
Lee, Y. M. See Kim, D. S., 209
Lehmann, D. See Nagel, J., 1186
Lei, J.
—; Jiang, C.; Shen, K.: Biaxially Self-Reinforced High-Density Polyethylene Prepared by Dynamic Packing injection Molding. I. Processing Parameters and Mechanical Properties, 1584
—; Jiang, C.; Shen, K.: Biaxially Self-Reinforced High-Density Polyethylene Prepared by Dynamic Packing Injection Molding. II. Microstructure Investigation, 1591
Lemeune, S.
—; Jameel, H.; Chang, H.-M.; Kadla, J. F.: Effects of Ozone and Chlorine Dioxide on the Chemical Properties of Cellulose Fibers, 1219
Lesser, A. J. See Garcia-Leiner, M., 1501
Lesser, A. J. See Hu, X., 282
Leung, F. K. P. See Lin, X. D., 1989
Levi, M. See Turri, S., 136
Li, C.-L. See Hu, C.-C., 395
Li, E.
—; Shi, G.; Hong, X.; Wu, P.: Electrochemical Polymerization of Toluene in the Mixed Electrolytes of Boron Trifluoride Diethyl Etherate and Trifluoroacetic Acid, 189
Li, G. See Sun, X., 163
Li, G.-Z. See Fang, Q., 475
Li, H.
—; Yan, G.; Wu, S.; Wang, Z.; Lam, K. Y.: Numerical Simulation of Controlled Nifedipine Release from Chitosan Microgels, 1928
Li, H. See Liu, X., 1546
Li, H. See Pan, G., 577
Li, K. See Xia, H., 378
Li, N.
—; Li, X.; Geng, W.; Zhang, T.; Zuo, Y.; Qiu, S.: Synthesis and Humidity Sensitivity of Conducting Polyaniline in SBA-15, 1597
Li, P.
—; Yu, B.; Wei, X.: Synthesis and Characterization of a High Oil-Absorbing Magnetic Composite Material, 894
Li, X. H. See Ge, X. C., 1804
Li, X. See Li, N., 1597
Li, Y. See Pothukuchi, S., 1531
Li, Z.
—; Ke, Y.; Hu, Y.: Study on a New Kind of Polypropylene-*graft*-polystyrene: Preparation and Application, 314
Li, Z. See Liang, H., 681
Liang, G. See Ma, X., 608
Liang, H.
—; Zheng, Z.; Li, Z.; Xu, J.; Chen, B.; Zhao, H.; Zhang, Q.; Ming, H.: Fabrication and Amplification of Rhodamine B-Doped Step-Index Polymer Optical Fiber, 681
Liao, X. See Sun, X., 163
Liau, J.-Y. See Liau, L. C.-K. L., 2142

Liau, L. C.-K. L.
—; Liau, J.-Y.; Chen, Y.-T.: Study of the Composition Effect of Glass Ceramic and Silver on Poly(vinyl butyral) Thermal Degradation with Thermogravimetric Analysis, 2142
Liddell, K. C. See Tamirisa, P. A., 1317
Lims, E. L. See Silva, F. M., 1077
Lin, C. B.
—; Chen, C. S.; Chen, Z.-H.; Su, N.-C.: Methanol- and Ethanol-Induced Convex Deformation and Macrovoid Formation of Poly(Methyl Methacrylate), 2254
Lin, D.-J.
—; Chang, C.-L.; Shaw, H.-Y.; Jeng, Y.-S.; Cheng, L.-P.: Formation of Multilayer Poly(acrylic acid)/Poly(vinylidene fluoride) Composite Membranes for Pervaporation, 2266
Lin, J. See Wang, X., 2230
Lin, S.-M. See Lu, K.-T., 1923
Lin, X. D.
—; Jia, D.; Leung, F. K. P.; Cheung, W. L.: Study on Poly(ethylene terephthalate)/Polypropylene Microfibrillar Composites. II. Solid-State Drawing Behavior, 1989
Lin, Y.-S.
—; Chiu, S.-S.: Electrical Properties of Conductive Adhesives as Affected by Particle Compositions, Particle Shapes, and Oxidizing Temperatures of Copper Powders in a Polymer Matrix, 2045
Lin, Z.
—; Peng, M.; Zheng, Q.: Isothermal Crystallization Behavior of Polypropylene Catalloys, 877
Liu, C.
—; Xiao, C.: Characterization of Konjac Glucomannan–Quaternized Poly(4-vinyl-*N*-butyl) Pyridine Blend Films and Their Preservation Effect, 1868
Liu, C.-T. See Lu, K.-T., 1923
Liu, H. See Sun, X., 163
Liu, P. See Chen, Y., 2014
Liu, W.
—; Gao, G.: Preparation of Conductive Polyaniline Fibers by a Continuous Forming-Drawn Processing Routine, 956
Liu, W. See Tian, N., 696
Liu, X.
—; Li, H.: Effect of Diatomite/Polyethylene Glycol Binary Processing Aids on the Rheology of a Metallocene Linear Low-Density Polyethylene, 1546
Liu, Y. See Sun, C. (Qin), 2090
Liu, Y. See Zhou, G., 131
Liu, Z. S.
—; Erhan, S. Z.; Calvert, P. D.: Solid Freeform Fabrication of Epoxidized Soybean Oil/Epoxy Composites with Di-, Tri-, and Polyethylene Amine Curing Agents, 356
Lizymol, P. P.
—; Thermal Studies: A Comparison of the Thermal Prperties of Different Oligomers by Thermogravimetric Techniques, 977
Lona, L. M. F. See Fernandes, F. A. N., 1042, 1053
Lozano, K.
—; Yang, S.; Zeng, Q.: Rheological Analysis of Vapor-Grown Carbon Nanofiber Reinforced Polyethylene Composites, 155
—; Yang, S.; Zeng, Q.: Rheological Analysis of Vapor-Grown Carbon Nanofiber-Reinforced Polyethylene Composites, 1500
Lu, D. See Guan, R., 1698
Lu, H. See Ma, X., 608
Lu, J. See Zhu, X., 1539
Lu, K.-T.
—; Liu, C.-T.; Lin, S.-M.: the Effect of Alkyd Resins on the Properties of AA-NC Semi-IPNs as Binders in Wood Finish, 1923
Lu, M.
—; Zhang, S.; Yu, D.: Study on Poly(propylene)/Ammonium Polyphosphate Composites Modified by Ethylene-1-octene Copolymer Grafted with Glycidyl Methacrylate, 412
Lu, S.
—; Zhang, Z.; Nawaby, A. V.; Day, M.: A Kinetic Investigation of the *In Situ* Polymerization of Methyl Methacrylate Under Supercritical Fluid CO_2 Consitions Using High-Pressure DSC, 1236
Lubczak, J. See Kijowska, D., 294
Luo, W. See Chen, P., 1748
Luukko, P.
—; Nyström, M.; Raino, J.: Comparison of Different Foaming Agents in Making Plywood Glue, 1060
Luyt, A. S. See Novák, I., 662
Lyoo, W. S.
—; Lee, S. J.; Kim, J. H.; Noh, S. K.; Ji, B. C.; Kim, B. C.: Effect of Molecular Weight on the Rheological Properties of Atactic Poly(vinyl alcohol)/Dimethylsulfoxide/Water Solution, 41
Lyoo, W. S. See Lee, J. S., 1638

Ma, H. See Min, B., 1793
Ma, X.
—; Lu, H.; Liang, G.; Yan, H.: Rectorite/Thermoplastic Polyurethane Nanocomposites: Preparation, Characterization, and Properties, 608
—; Yu, J.: Formamide as the Plasticizedr for Thermoplastic Starch, 1769
Macit, H.
—; Hazer, B.: Synthesis of PMMA-PTHF-PMMA and PMMA-PTHF-PST Linear and Star Block Copolymers, 219
Madhra, M. K.
—; Sharma, M.; Banerjee, S.: Polyimides. IV. Synthesis and Characterization of Fluorinated Copolyimides, 235
Madhra, M. K. See Banerjee, S., 821
Madras, G. See Sivalingam, G., 1378
Maeda, H. See El Sayed, A. M., 2001
Mahdavian, A.-R.
—; Abdollahi, M.; Bijanzadeh, H. R.: Kinetic Study of Radical Polymerization. III. Solution Polymerization of Acrylamide by ^{1}H-NMR, 2007
Mai, S.-M. See Xu, J.-T., 870
Mai, Y.-W. See Yu, Z.-Z., 1462
Maillard, B. See Anbarasan, R., 75
Maji, T. K. See Devi, R. R., 1938
Maki, T. See Matsuyama, H., 471
Malbi, M. A. See Hariharan, R., 1846
Malinconico, M. See Laurino, C., 23
Malkanduev, Y. A. See Kozlov, G. V., 1394
Mallakpour, S.
—; Kowsari, E.: Application of Microwave Irradiation for Synthesis of Novel Optically Active Poly(Amide Imides) Derived from Diacid Chloride Containing Epiclon and L-Isoleucine with Aromatic Diamines, 2218
—; Rafiemanzelat, F.: Microwave-Assisted and Classical Heating Polycondensation Reaction of bis(p-Amido benzooic acid)-*N*-trimellitylimido-*L*-leucine with

Diisocyanates as a New Method for Preparation of Optically Active Poly(amide imides)s, 1647
Mallikarjuna, N. N. See Colbeaux, A., 2245
Mallikarjuna, N. N. See Margoudar, P., 1157
Malucelli, G. See Sangermano, M., 584
Mamy, P. R.
—; Martinez-Vega, J.; Dupre, J. C.; Bretagne, N.: Quantification of Mechanical Deformations Induced by an Electric Field in a Semicrytalline Organic Insulator, 2313
Manjooran, K. B. See Sulekha, P. B., 437
Manolache, S. See Jiang, H., 1411
Månson, J.-A. E. See Teil, H., 1774
Mao, S. See Gao, J., 2180
Marcos-Fernández, A. See Valentín, J. L., 1756
Marigoudar, P.
—; Lagare, M. T.; Mallikarjuna, N. N.; Aminabhavi, T. M.: Laser Dye Diffusion in Polymer Solutions Studied by Spectrophotometry, 1157
Markpin, T. See Sombatsompop, N., 2119
Marosi, Gy. See Almeras, X., 402
Martínez, A. B. See Sánchez-Soto, M., 1271
Martinez-Vega, J. See Mamy P. R., 2313
Martins, A. F. See Visconte, L. L. Y., 483
Mather, R. R. See Yang, R., 568
Mathew, J. See Al-Adwani, H., 1118
Mathew, T. See Joseph, M., 1816
Mathias, L. J. See Shemper, B. S., 1252
Mathur, G. N. See Nigam, V., 2201
Matsuyama, H.
—; Hayashi, K.; Maki, T.; Teramoto, M.; Kubota, N.: Effect of Polymer Density on Polyethylene Hollow Fiber Membrane Formation Via Thermally Induced Phase Separation, 471
Matuana, L. M. See Rachtanapun, P., 364
Matuana, L. M. See Stark, N. M., 1021
Mazzei, J. L. See Jandrey, A. C., 972
Mehdipour-Ataei, S.
—; Sarrafi, Y.; Pirjel, M. A.: Synthesis, Characterization, and Properties of Novel Poly(ether urea)s, 961
Mehrabi, A. R. See Grunlan, J. C., 1102
Meksawat, D. See Sirisinha, K., 901, 1179
Meng, L.-Z. See Gong, S.-L., 637
Meng, Y. Z. See Ge, X. C., 1804
Michaud, V. See Teil, H., 1774
Michler, G. H. See Calleja, F. J. B., 1951
Min, B.
—; Kumar, S.; Hibbs, M. R.; Ma, H.; Collard, D. M.; Schiraldi, D. A.: Sequence Analysis and Fiber Properties of a Blend of Poly(ehtylene terephthalate) and Poly(ehtylene terephthalate-*co*-4,4′-bibenzoate), 1793
Ming, H. See Liang, H., 681
Miranda, S. P. See Cárdenas, G., 1876
Mishra, A. See Bajpai, A. K., 2054
Mitchell, B. S. See Haynes, S. D., 2275
Mo, S. B. See Wang, M. L., 1326
Modak, J. M. See Chanda, M., 883
Mohammadi, N. See Abbasian, A., 1972
Mohan, Y. M.
—; Raju, M. P.; Raju, K. M.: Synthesis, Spectral and DSC Analysis of Glycidyl Azide Polymers Containing Different Initiating Diol Units, 2157
Montiel, B. See Le Digabel, F., 428
Morizur, J.-F. See Shemper, B. S., 1252
Morsy, M. S. See Ibrahim, N. A., 1825
Mosleh, S. See Ramadan, A. M., 1743
Muftuoglu, A. E.
—; Cianga, I.; Yurteri, S.; Yagci, Y.: Use of *N,N*-Dimethylaniline End-Funtional Polymers in Photoinduced Block Copolymerization, 387
Mull, M. A. See Yehia, A. A., 30
Mun, G. A. See Khutoryanskiy, V. V., 1946

Nagel, J.
—; Bräuer, M.; Hupfer, B.; Grundke, K.; Schwwartz, S.; Lehmann, D.; Investigations on the Reactive Suface Modification of Polycarbonate by Surface-Reactive Injection Molding, 1186
Nakafuku, C.
—; Takehisa, S.-y.: Glass Transition and Mechanical Properties of PLLA and PDLLA-PGA Copolymer Blends, 2164
Nawaby, A. V. See Lu, S., 1236
Nazábal, J. See Retolaza, A., 2193
Neagu, V.
—; Untea, I.; Tudorache, E.; Orbeci, C.: Sorption Equilibrium of Cr(VI) Ions by Strong Base Anion Exchangers with Pyridine Structures, 1957
Neagu, V. See Barsanescu, A., 803
Neoh, S. B.
—; Hashim, A. S.: Highly Grafted Polystyrene-Modified Natural Rubber as Toughener for Polystyrene, 1660
Neves, S. See Fonseca, C. P., 1230
Niemelä, P. See Skrifvars, M., 1285
Nigam, V.
—; Setua, D. K.; Mathur, G. N.; Kar, K. K.: Epoxy-Montmorillonite Clay Nanocomposites: Synthesis and Characterization, 2201
Noh, S. K. See Lyoo, W. S., 41
Novák, I.
—; Krupa, I.; Luyt, A. S.: Modification of a Fischer-Tropsch Wax by Grafting with Maleic Anhydride, 662
Nunes, R. C. R. See Visconte, L. L. Y., 483
Nurkeeva, Z. S. See Khutoryanskiy, V. V., 1946
Nyström, M. See Luukko, P., 1060

Odabaşii, M.
—; Denizli, A.: Cibacron Blue F3GA Incorporated Magnetic Poly(2-hydroxyethyl methacrylate) Beads for Lysozyme Adsorption, 719
Ogawa, T. See Bucio, E., 172
Ogunniyi, D. S. See Dare, E. O., 907
Oh, J. S.
—; Isayev, A. I.: Continuous Ultrasonic Devulcanization of Unfilled Butadiene Rubber, 1166
Ohishi, H.
—; Phase Morphology and Compatibilization Mechanism in Ternary Polymer Blend Systems of Polyethylene Terephthalate, Polyolefin Rubber, and Ionomer, 1567
Oishi, T. See Kawaguchi, Y., 505
Okamoto, H. See Hasegawa, N., 758
Okitsu, I. See Sasazawa, K., 521
Olatunji, G. A. See Dare, E. O., 907
Olayo, M. G. See Cruz, G. J., 1031
Olayo, R. See Cruz, G. J., 1031
Ono, H. See Sakugawa, K., 1372
Orbeci, C. See Neagu, V., 1957
Osman, M. A. See Tamirisa, P. A., 1317
Osorio-Galindo, M. See Vilaplana, F., 1384

Page, S. A. See Teil, H., 1774
Pagès, P. See Carrasco, F., 1913

Pak, J. J. See Kim, D. B., 1687
Pakkanen, T. T. See Turunen, J. P. J., 1812
Palacios, J. C. See Cruz, G. J., 1031
Palanisamy, A.
—; Sundar, S.; Radhakrishnan, G.: Photosensitive Poly(urethane acylsemicarbazide)s with Azobenzene Chromophores in the Main Chain, 444
Pan, G.
—; Li, H.; Cao, Y.: ^{1}H-NMR Investigation of the Thermooxidation Degradation of Poly(oxymethylene) Copolymers, 577
Pan, W. See Jia, Y.-G., 1736
Panayiotou, C. See Bikiaris, D., 726
Pandey, S. S. See Rajesh, 927
Papadokostaki, K. G. See Stavropoulou, A., 1151
Papadopoulos, G. A. See Sideriis, E., 63
Park, E.-S.
—; Kim, H. K.; Shim, J. H.; Kim, M.-N.; Yoon, J.-S.: Synthesis and Properties of Polymeric Biocides Based on Poly(Ethylene-*co*-vinyl Alcohol), 765
Park, H. B. See Kim, D. S., 209
Park, J. S.
—; Yang, J.-H.; Kim, D.-H.; Lee, D. H.: Degradability of Expanded Starch/PVA Blends Prepared Using Calcium Carbonate as the Expanding Inhibitor, 911
Park, J. See Yang, J.-H., 1762
Park, M. See Choi, D.-i., 2082
Park, Y. H. See Kim, D. S., 209
Park, Y. H. See Lee, K.-G., 2174
Park, Y. W.
—; Inagaki, N.: A new Approach for Selective Surface Modification of Fluoropolymers by Remote Plasmas, 1012
Park, Y.-W.
—; Lee, D.-S.: Surface and Electrical Characteristics of Poly(amide imide)–Poly(dimethylsiloxane) Nanocomposites, 342
Pattanawanidchai, S. See Sirisinha, C., 1129
Pawaskar, N. See Radhakrishnan, S., 615
Peak, J. See Sun, Y., 513
Pedrow, P. D. See Tamirisa, P. A., 1317
Pekmez, K. See Şahin, Y., 526
Penco, M. See Bignotti, F., 1964
Peng, M. See Lin, Z., 877
Peng, S.
—; Fuchs, A.; Wirtz, R. A.: Polymeric Phase Change Composites for Thermal Energy Storage, 1240
Penlidis, A. See Cheong, S. I., 261
Peroni, I. See Bignotti, F., 1964
Phillips, P. J. See Thorat, S. D., 534
Ping, Z. See Duxin, L., 420
Pinto, J. C. See Silva, F. M., 1077
Pirjel, M. A. See Mehdipour-Ataei, S., 961
Piszczek, K. See Tomaszewska, J., 966
Player, J. See Roylance M., 1609
Pollicino, A. See Carfagna, C., 2031
Pollicino, A. See Sangermano, M., 584
Pothukuchi, S.
—; Li, Y.; Wong, C. P.: Developement of a Novel Polymer–Metal Nanocomposite Obtained Through the Route of *In Situ* Reduction for Integral Capacitor Application, 1531
Poutch, F. See Almeras, X., 402
Prasassarakich, P. See Arayapranee, W., 1666
Prasassarakich, P. See Im-Erbsin, S., 854
Pretula, J. See Wódzki, R., 1436
Prinos, J. See Bikiaris, D., 726
Priola, A. See Sangermano, M., 584
Pu, Q.-L. See Xie, H.-Q., 2211

Qi, G. See Hua, Z., 1788
Qian, S. H. See Wang, M. L., 1326
Qin, H. See Zhao, C., 676
Qin, J. See Huang, Y., 1198
Qiu, S. See Li, N., 1597
Quay-Thevenon, S. See Cook, W. D., 1348

Rachtanapun, P.
—; Selke, S. E. M.; Matuana, L. M.: Effect of the High-Density Polyethylene Melt Index on the Microcellular Foaming of High-Density Polyethylene/Polypropylene Blends, 364
Radhakrishnan, G. See Palanisamy, A., 444
Radhakrishnan, S.
—; Sonawane, P.; Pawaskar, N.: Effect of Thermal Conductivity and Heat Transfer on Crystallization, Structure, and Morphology of Polypropylene Containing Different Fillers, 615
Rafiemanzelat, F. See Mallakpour, S., 1647
Raghunatha Reddy, K. See Rathore, K., 348
Rainio, J. See Luukko, P., 1060
Rajan, M. A. J.
—; Vivekanandam, T. S.; Ramakrishnan, S. K.; Ramachandran, K.; Umapathy, S.: Heat Transfer in Poly(methyl acrylate) by Photoacoustic Measurements, 1071
Rajendran, V. See Thayumanaswamy, S. M., 1305
Rajesh
—; Pandey, S. S.; Takashima, W.; Kaneto, K.: Developement of an Amperometric Biosensor Based on a Redox-Mediator-Doped Polypyrrole Film, 927
Raju, K. M. See Mohan, Y. M., 2157
Raju, M. P. See Mohan, Y. M., 2157
Ramachandran, K. See Rajan, M. A. J., 1071
Ramadan, A. M.
—; Mosleh, S.; Gawish, S. M.: Weighting and Improvement of Silk Properties, 1743
Ramakrishnan, S. K. See Rajan, M. A. J., 1071
Ramorino, G. See Bignotti, F., 1964
Rana, P. K.
—; Swain, S. K.; Sahoo, P. K.: Synthesis, Characterization, and Properties of Intercalated Poly(2-Ethyl Hexylacrylate)/Silicate Nanocomposites: XRD, TEM, IR, TGA, Superabsorbency, Pressure-Sensitive Adhesion, and Biodegradation, 1007
Rathore, K.
—; Raghunatha Reddy, K.; Tomer, N. S.; Desai, S. M.; Singh, R. P.: Visible-Light-Induced Controlled/Living Radical Polymerization of Styrene with a Phenyl Seleno Group at One Terminal Chain End: 1-(Phenylseleno)ethyl Benzene as a Photoiniferter, 348
Ray, P. See Bhattacharya, A., 122
Recca, A. See Carfagna, C., 2031
Recca, A. See Sangermano, M., 584
Reis, M. M.
—; Araújo, P. H. H.; Sayer, C.; Giudici, R.: Developement of Calibration Models for Estimation of Monomer Concentration by Raman Spectroscopy During Emulsion Polymerization: Facing the Medium Heterogeneity, 1136
Rempel, G. L. See Arayapranee, W., 455, 1666
Rempel, G. L. See Im-Erbsin, S., 854
Ren, X. See Zhu, Y., 1731
Renaut, N. See Almeras, X., 402

Rennecker, S.
—; Zink-Sharp, A. G.; Ward, T. C.; Glasser, W. G.: Compositional Analysis of Thermoplastic Wood Composites by TGA, 1484
Retolaza, A.
—; Equiazábal, J. I.; Nazábal, J.: Compatibility in Immiscible Polysulfone/Poly(ethylene terephthalate) Blends, 2193
Revagade, N. See Jain, R., 1224
Reyes, P.
—; Borda, G.; Gnecco, J.; Rivas, B. L.: $MoO_2(acac)_2$ Immobilized on Polymers as Catalysts for Cyclohexene Epoxidation: Effect of the Degree of Crosslinking, 1602
Riaz, U. See Ashraf, S. M., 82
Ribes-Greus, A. See Vilaplana, F., 1384
Rivas, B. L. See Reyes, P., 1602
Robinson, D. H. See Jonnalagadda, S., 2025
Rodgers, W. R. See Eckel, D. F., 1110
Rodríguez, A. See Valentín, J. L., 1756
Rosa, D. S. See Fonseca, C. P., 1230
Roylance, D. See Roylance M., 1609
Roylance, M.
—; Player, J.; Zukas, W.; Roylance, D.: Modeling of Ultrasonic Processing, 1609
Ruan, Y. See Dong, Y., 1553
Rueda, D. R. See Cagiao, M. E., 301
Russell, T. P. See Devlin, C. L. H., 1192
Ryan, A. J. See Xu, J.-T., 870

Saeoui, P. See Sirisinha, C., 1129
Sahakaro, K. See Kovuttikulrangsie, S., 833
Şahin, Y.
—; Aydıin, A.; Udum, Y. A.; Pekmez, K.; Yıildıiz, A.: Electrochemical Synthesis of Sulfonated Polypyrrole in FSO_3H/Acetonitrile Solution, 526
Sahoo, N. G. See Chakraborty, S., 711
Sahoo, P. K. See Rana, P. K., 1007
Saito, R.
—; Tobe, T.: Synthesis of Poly(vinyl pyridine)–Silica Nanocomposites Using Perhydropolysilazane, 749
Saito, T. See Klinklai, W., 555
Sakdapipanich, J. T. See Klinklai, W., 555
Sakugawa, K.
—; Ikeda, A.; Takemura, A.; Ono, H.: Simplified Method for Estimation of Composition of Alginates by FTIR, 1372
Salgaonkar, L. P.
—; Jayaram, R. V.: Thermal and Flame-Retardant Properties of Polyester Fabric Graafted with Polyanilines, 1981
Sánchez-Soto, M.
—; Martínez, A. B.; Santana, O. O.; Gordillo, A.: On the Application of a Damped Model to the Falling Weight Impact Characterization of Glass Beads–Polystyrene Composites, 1271
Sangermano, M.
—; Bongiovanni, R.; Malucelli, G.; Priola, A.; Pollicino, A.; Recca, A.; Jönsson, S.: Surface Properties of Cationic Ultraviolet-Curable Coatings Containing a Siloxane Structure, 584
Sanopoulou, M. See Stavropoulou, A., 1151
San Roman, J. See de Queiroz, A. A. A., 1337
Santana, O. O. See Sánchez-Soto, M., 1271
Sarkar, A. See Chanda, M., 883
Sarojadevi, M. See Hariharan, R., 1846
Sarrafi, Y. See Mehdipour-Ataei, S., 961
Sartore, L. See Bignotti, F., 1964
Sarwade, B. D. See Alkadasi, N. A. N., 1293
Sasazawa, K.
—; Okitsu, I.; Aburatani, A.; Kawase, T.; Sawada, H.: Solubilization of Pthalocyanines into Methanol with Fluoroalkyl End-Capped *N*-(1,1-Dimethyl-3-oxobutyl)-and, *N,N*-Dimethyl-Acrylamide Oligomers, 521
Sastry, N. V. See Govindaraj, B., 778
Sato, M.
—; Koshino, T.; Kajitani, Y.; Inamura, I.; Kubo, Y.: Miscibility Study of Polmer Blends Composed of Semirigid Thermotropic Liquid Crystalline Polycarbonate, Poly(Vinyl Alcohol), and Chitosan, 1616
Sawada, H. See Sasazawa, K., 521
Sayer, C. See Reis, M. M., 1136
Schiraldi, D. A. See Min, B., 1793
Schwanninger, M. See Gindl, W., 1900
Schwartz, S. See Nagel, J., 1186
Scoponi, M. See Laurino, C., 23
Scott, T. F. See Cook, W. D., 1348
Seino, T.
—; Yoshioka, A.; Takai, M.; Tabata, M.: Thermally Induced Homolytic Scissions of Interunitary Bonds in a Softwood Lignin Solution: A Spin-Trapping Study, 2136
Selke, S. E. M. See Rachtanapun, P., 364
Semenov, V. See Thorat, S. D., 534
Sena, M. E. See Souza, F. G., Jr., 1631
Şenöz, H.
—; Güner, A.; Tunoğlu: Synthesis of Dextran Dicarboxylic Acid and Investigation of Its Complexes with Metal Ions in Aqueous Solutions, 2262
Seok, S. See Kim, D. W., 1711
Setua, D. K. See Nigam, V., 2201
Shaban, H. I. See Al-Adwani, H., 1118
Shan, H.
—; White, J. L.: Structure Developement in Melt Spinning of Poly(ethylene-*co*-octene) Filaments with Various Comonomerr Contents, 9
Shanks, R. A. See Wu, S., 1493
Shao, X. See Gao, J., 2180
Sharma, M. See Madhra, M. K., 235
Shaw, H.-Y. See Lin, D.-J., 2266
Shemper, B. S.
—; Morizur, J.-F.; Alirol, M.; Domenech, A.; Hulin, V.; Mathias, L. J.: Synthetic Clay Nanocomposite-Based Coatings Prepared by UV-Cure Photopolymerization, 1252
Shen, K. See Lei, J., 1584, 1591
Shen, L.
—; Zhong, W.; Wang, H.; Du, Q.; Yang, Y.: Preparation and Characterization of SMA(San)/Silica Hybrids Derived from Water Glass, 2289
Shen, Z. See Lin, C., 1264
Shi, G. See Li, E., 189
Shim, J. H. See Park, E.-S., 765
Shim, S. E. See Kim, K.-J., 2105
Shin, J. S. See Kim, D. W., 1711
Sideridis, E.
—; Papadopoulos, G. A.: AShort-Beam and Three-Point-Bending Tests for the Study of Shear and Flexural Properties in Unidirectional-Fiber-Reinforced Epoxy Composites, 63
Sikora, A. See Kratochvíl, J., 279
Silva, F. M.
—; Lima, E. L.; Pinto, J. C.: Acrylic Acid/Vinyl Acetate Suspension Copolymerizations. I. Partition Coefficients foir Acrylic Acid, 1077
Singh, H. See Jain, R., 1224

Singh, M.
—; Kumar, S.: Activation Energy, Free Energy, Enthalpy, and Entropy Chnages Associated with Viscometric Changes of Extremely to Moderately Dilute Aqueous Solutions of Polyvinylpyrrolidone at 288.15–313.15 K, 47
Singh, R. P. See Rathore, K., 348
Sirisinha, C.
—; Saeoui, P.; Pattanawanidchai, S.: Rheological Properties, Oil, and Thermal Resistance in Sulfur-Cured CPE/NR Blends, 1129
Sirisinha, K.
—; Meksawat, D.: Changes in Properties of Silane–Water Crosslinked Metallocene Ethylene-Octene Copolymer After Prolonged Crosslinking Time, 901
—; Meksawat, D.: Comparison in Processability and Mechanical and Thermal Properties of Ethylene–Octene Copolymer Crosslinked by Differnet Techniques, 1179
Sivalingam, G.
—; Madras, G.: Thermal Degradation of Ternary Blends of Poly(Î-caprolactone)/Poly(vinyl acetate)/Poly(vinyl chloride), 1378
Skrifvars, M.
—; Niemelä, P.; Koskinen, R.; Hormi, O.: Process Cure Monitoring of Unsaturated Polyester Resins, Vinyl Ester Resins, and Gel Coats by Raman Spectroscopy, 1285
Skrifvars, M. See Viljanen, E. K., 1908
Soares, B. G. See Souza, F. G., Jr., 1631
Sombatsompop, N.
—; Thongsang, S.; Markpin, T.; Wimolmala, E.: Fly Ash Particles and Precipitated Silica as Fillers in Rubbers. I. Untreated Fillers in Natural Rubber and Styrene–Butadiene Rubber Compounds, 2119
Sonawane, P. See Radhakrishnan, S., 615
Song, M. D. See Chen, G. X., 655
Sorrentino, A. See Laurino, C., 23
Souza, F. G., Jr.
—; Sena, M. E.; Soares, B. G.: Thermally Stable Conducting Composites Based on a Carbon Black-Filled Polyoxadiazole Matrix, 1631
Specht, K. See Bledzki, A. K., 2150
Stark, N. M.
—; Matuana, L. M.; Clemons, C. M.: Effect of Processing Method on Surface and Weathering Characteristics of Wood–Flour/HDPE Composites, 1021
Stavropoulou, A.
—; Papadokostaki, K. G.; Sanopoulou, M.: Thermal Properties of Poly(Vinyl Alcohol)–Solute Blends Studied by TMDSC, 1151
Sterzyński, T. See Tomaszewska, J., 966
Su, N.-C. See Lin, C. B., 2254
Suarez, J. C. M. See Visconte, L. L. Y., 483
Sudduth, R. D.
—; Comparisons of the Failure Conditions for Creep, Stress Relaxation, and Constant Strain Rate Measurements to Predict Pipe Burst for Two ABS Materials Using the Universal Viscoelastic Model, 247
Suh, D. H. See Lee, S. M., 2114
Sulekha, P. B.
—; Joseph, R.; Manjooran, K. B.: New Oligomer-Bound Antioxidants in Natural Rubber/Polybutadiene Rubber and Natural Rubber/Styrene–Butadiene Rubber Blends, 437
Sun, C. (Qin)
—; Zhang, D.; Liu, Y.; Xiao, R.: Preliminary Study on Fiber Splitting of Bicomponenet Meltblown Fibers, 2090
Sun, G. See Zhu, P., 1037
Sun, J.
—; Wu, G.; Wang, Q.: Adsorption Properties of Polyacrylonitrile-Based Activated Carbon Hollow Fiber, 602
Sun, W. See Lin, C., 1264
Sun, X.
—; Liu, H.; Li, G.; Liao, X.; He, J.: Investigation on the Cell Nucleation and Cell Growth in Microcellular Foaming by Means of Temperature Quenching, 163
Sun, Y.
—; Fan, L.; Watkins, K.; Peak, J.; Wong, C. P.: An Electrical Approach to Monitor Wire and Cable Thermal Oxidation Aging Condition Based on Carbon Black Filled Conductive Polymer Composite, 513
Sundar, S. See Palanisamy, A., 444
Sung, B. H. See Ko, Y. G., 1559
Suzuki, Y. See Klinklai, W., 555
Swain, S. K. See Rana, P. K., 1007
Świątkowski, M. See Wódzki, R., 1436

Tabata, M. See Seino, T., 2136
Taboada, E. See Cárdenas, G., 1876
Taha, M. See Colbeaux, A., 2237
Takai, M. See Seino, T., 2136
Takashima, W. See Rajesh, 927
Takeda, K.
—; Unno, H.; Zhang, M.: Polymer Reaction in Polycarbonate with Na_2CO_3, 920
Takehisa, S.-y. See Nakafuku, C., 2164
Takemura, A. See Sakugawa, K., 1372
Tamirisa, P. A.
—; Liddell, K. C.; Pedrow, P. D.; Osman, M. A.: Pulsed-Plasma-Polymerized Aniline Thin Films, 1317
Tara, A.
—; Berzin, F.; Tighzert, L.; Vergnes, B.: Preparation of Cationic Wheat Starch by Twin-Screw Reactive Extrusion, 201
Tashiro, K. See Klinklai, W., 555
Tavares, M. I. B. See Diniz, T. M. F. F., 372
Teil, H.
—; Page, S. A.; Michaud, V.; Månson, J.-A. E.: TTT-Cure Diagram of an Anhydride-Cured Epoxy System Including Gelatin, Vitrification, Curing Kinetics Model, and Monitoring of the Glass Transition Temperature, 1774
Teramoto, M. See Matsuyama, H., 471
Thayumanaswamy, S. M.
—; Rajendran, V.: Film Studies of Certain New Aromatic–Aliphatic Polyamides, 1305
Thomas, S. See Jacob, M., 2305
Thongsang, S. See Sombatsompop, N., 2119
Thorat, S. D.
—; Phillips, P. J.; Semenov, V.; Gakh, A.: The Effects of Chemical Structure on the Shear Rheology of Aliphatic Polycarbonates, 534
Tian, M. See Jia, Y.-G., 1736
Tian, N.
—; Yan, F.; Liu, W.: Effect of the Temperature on the Friction-Wear Properties of Poly(ether ketone) with a Cardo Group, 696
Tighzert, L. See Tara, A., 201
Tobe, T. See Saito, R., 749
Togawa, J.
—; Kobayashi, M.: New Evidence Derived from the Discrimination of Henry and Langmuir Modes

Parameters in Glassy Polymeric Film Revealed by the Freeze-Purged-Desorption Method, 934
Tomaszewska, J.
—; Sterzyński, T.; Piszczek, K.: Rigid Poly(Vinyl Chloride) (PVC) Gelation in the Brabender Measuring Mixer. I. Equilibrium State Between Sliding, Breaking, and Gelatin of PVC, 966
Tomer, N. S. See Rathore, K., 348
Toti, U. S.
—; Soppimath, K. S.; Mallikarjuna, N. N.; Aminabhavi, T. M.: Acrylamide-Grafted-Acacia Gum Polymer Matrix Tablets as Erosion-Contrlled Drug Delivery Systems, 2245
Trombetta, T. See Turri, S., 136
Tsai, Y.-H. See Huang, Y.-B., 1886
Tse, M. F.
—; Hu, W.; Yeganeh, M. S.; Zhang, D.: Adhesion Between Dissimilar Polymers. II. Effects of Bonding Temperature and Crosslinking Agent, 323
Tshabalala, M. A.
—; Karthikeyan, K. G.; Wang, D.: Cationized Milled Pine Bark as an Adsorbent for Orthophosphate Anions, 1577
Tu, C.-Y. See Hu, C.-C., 395
Tudorache, E. See Neagu, V., 1957
Tufan, Y. See Tümtürk, H., 1526
Tümtürk, H.
—; Tufan, Y.: Immobilization of Invertase onto Dimer Acid-*co*-alkyl Polyamine, 1526
Tunoğlu, N. See Şenöz, H., 2262
Turri, S.
—; Levi, M.; Trombetta, T.: Waterborne Anionomeric Polyurethane–Ureas from Funtionalized Fluoropolyethers, 136
Turunen, J. P. J.
—; Haukka, M.; Pakkanen, T. T.: Cocatalyst-Originated Aluminum Residues in Fibrous, Very High Molar Mass Polyethylene, 1812

Udum, Y. A. See Şahin, Y., 526
Umapathy, S. See Rajan, M. A. J., 1071
Unno, H. See Takeda, K., 920
Untea, I. See Neagu, V., 1957
Usuki, A. See Hasegawa, N., 464, 758

Vacca, P. See Laurino, C., 23
Valenciano, R. B. See Díaz, E., 1512
Valentín, J. L.
—; Rodríguez, A.; Marcos-Fernández, A.; González, L.: Crosslinking of Natural and Polybutadiene Rubbers with Thiuram Sulfur Donors in the Presence of a Thiuram Monosulfide, 1756
Vallittu, P. K. See Viljanen, E. K., 1908
Van Dyke, J. D. (Jack)
—; Gnatowski, M.; Koutsandreas, A.; Burczyk, A.: Effect of Butyl Rubber Type on Properties of Polyamide and Butyl Rubber Blends, 1423
Varughese, K. T. See Jacob, M., 2305
Venkataraman, A. See Govindaraj, B., 778
Vergnes, B. See Tara, A., 201
Vilaplana, F.
—; Osorio-Galindo, M.; Iborra-Clar, A.; Alcaina-Miranda, M. I.; Ribes-Greus, A.: Swelling Behavior of PDMS–PMHS Pervaporation Membranes in Ethyl Acetate–Water Mixtures, 1384
Viljanen, E. K.
—; Skrifvars, M.; Vallittu, P. K.: Degree of Conversion of a Copolymer of an Experimental Monomer and Methyl Methacrylate for Dental Applications, 1908
Visconte, L. L. Y.
—; Martins, A. F.; Suarez, J. C. M.; Nunes, R. C. R.: Different Preparative Modes for the Inorporation of Additives in NR/SBR Blends, 483
Vivekanandam, T. S. See Rajan, M. A. J., 1071
Volpe, M. G. See Laurino, C., 23
Voronov, S. A. See Kohut, A. M., 310
Vrentas, C. M. See Vrentas, J. S., 92, 986
Vrentas, J. S.
—; Vrentas, C. M.: Diffusion-Controlled Polymer Dissolution and Drug Release, 92
—; Vrentas, C. M.: Theoretical Aspects of Fiber Spinning, 986

Wang, B. See Guan, R., 1698
Wang, C. See Ye, L., 1175
Wang, D. See Gao, J., 1203
Wang, D. See Tshabalala, M. A., 1577
Wang, H.-H.
—; Wu, S.-P.: thermal and Thermo-oxidative Degradation Properties of Poly(benzimidazole amide imide) Copolymers, 2072
Wang, H. See Dong, Y., 1553
Wang, H. See Shen, L., 2289
Wang, H. Y. See Wang, M. L., 1326
Wang, J.
—; Gu, M.: Wear Properties and Mechanisms of Nylon and Carbon-Fiber-Reinforced Nylon in Dry and Wet Conditions, 789
Wang, J.-W.
—; Hon, M.-H.: Synthesis and Dynamic Mechanical Behavior of Glucose-Mediated Poly(Ethylene Glycol/Chitosan) Membrane, 809
Wang, L. See Lin, C., 1264
Wang, M. L.
—; Qian, S. H.; Mo, S. B.; Huang, G. Q.; Wang, H. Y.: Application of Crosslinked Chitosan in the Analysis of Butyl Tin Speciation, 1326
Wang, Q. See Sun, J., 602
Wang, Q. See Xia, H., 378
Wang, R.
—; Cheung, H. M.: A New PDMS Macromonomer Stabilizer for Dispersion Polymerization of Styrene in Supercritical Carbon Dioxide, 545
Wang, S.
—; Yu, J.; Yu, J.: Influence of Maleic Anhydride on the Compatibility of Thermal Plasticized Starch and Linear Low-Density Polyethylene, 686
Wang, W.
—; Photocrosslinking of an Ethylene–Propylene–Diene Terpolymer and the Characterization of Its Structure and Mechanical Properties, 1837
Wang, X.
—; Lin, J.; Wang, X.; Wang, Z.: A Novel Modification on Melt Intercalation via Exothermal MMT, 2230
Wang, X. See Wang, X., 2230
Wang, X. See Zhang, J., 1089
Wang, Y.
—; Chen, F.-B.; Wu, K.-C.: Twin-Screw Compounding of Polypropylene/Organoclay Nanocomposites Modified by Maleated Polypropylenes, 100
Wang, Y.-C. See Hu, C.-C., 395
Wang, Z. See Li. H., 1928
Wang, Z. See Wang, X., 2230
Ward, I. M. See Hine, P. J., 796
Ward, T. C. See Rennecker, S., 1484
Watkins, K. See Sun, Y., 513
Wautier, H. See Colbeaux, A., 2237
Wei, H. See Huang, J., 624
Wei, X. See Li, P., 894
White, J. L. See Kim, K.-J., 2105

White, J. L. See Shan, H., 9
Wimolmala, E. See Sombatsompop, N., 2119
Wirtz, R. A. See Peng, S., 1240
Wódzki, R.
—; Świątkowski, M.; Pretula, J.; Kalużyński, K.: Poly[poly(oxypropylene) phosphate] Macroionophores for Transport and Separation of Cations in a Hybrid: Cation-Exchange Polymer and Liquid Membrane System, 1436
Wolowiec, S. See Kijowska, D., 294
Won, J. C. See Kim, D. W., 1711
Wong, A. C. L. See Jiang, H., 1411
Wong, C. P. See Pothukuchi, S., 1531
Wong, C. P. See Sun, Y., 513
Woo, S.-O. See Lee, K.-G., 2174
Wu, C. See Zhu, Y., 1731
Wu, G. See Sun, J., 602
Wu, K.-C. See Wang, Y., 100
Wu, P.-C. See Huang, Y.-B., 1886
Wu, P. See Li, E., 189
Wu, S.
—; Shanks, R. A.: Solubility Study of Polyacrylamide in Polar Solvents, 1493
Wu, S.-P. See Wang, H.-H., 2072
Wu, S. See Li. H., 1928

Xanthos, M. See Zhu, L., 1891
Xia, H.
—; Wang, Q.; Li, K.; Hu, G.-H.: Preparation of Polypropylene/Carbon Nanotube Composite Powder with a Solid-State Mechanochemical Pulverizxation Process, 378
Xiang, B. See Guan, R., 1698
Xiang, Y. See Zhao, M., 1397
Xiao, C. See Liu, C., 1868
Xiao, R. See Sun, C. (Qin), 2090
Xie, D. See Xie, H.-Q., 2211
Xie, H.-Q.
—; Pu, Q.-L.; Xie, D.: Preparation of Conductive Polyaniline-Sulfonated EPDM Ionomer Composites from *In Situ* Emulsion Polymerization and Study of Their Properties, 2211
Xie, T.
—; Yang, G.: Effects of Maleated Styrene–(Ethylene-*co*-butene)–Styrene on Compatibilization and Properties of Nylon-12,12/Nylon 6 Blends, 1446
Xin, J. H. See Daoud, W. A., 2131
Xu, G. G.
—; Yang, C. Q.; Deng, Y.: Combination of Bifunctional Aldehydes and Poly(Vinyl Alcohol) as the Crosslinking Systems to Improve Paper Wet Strength, 1673
Xu, J. See Liang, H., 681
Xu, J.-T.
—; Xue, L.; Fan, Z.-Q.: Nonisothermal Crystallization of Metallocene Propylene-Decene-1 Copolymers, 1724
—; Xue, L.; Mai, S.-M.; Ryan, A. J.: Effect of the Amorphous Segment on the Nonisothermal Crystallization and Morphology of Oxyethylene–Oxybutylene Block Copolymers, 870
Xu, Q.
—; Chang, Y.: Complex Interactions among Additive/Supercritical CO_2/Polymer Ternary Systems and Factors Governing the Impregnation Efficiency, 742
Xue, L. See Xu, J.-T., 870, 1724

Yagci, Y. See Muftuoglu, A. E., 387
Yan, D. See Cui, X., 2066
Yan, F. See Tian, N., 696
Yan, F. See Zhou, J., 948
Yan, G. See Li. H., 1928
Yan, H. See Ma, X., 608
Yang, C. Q. See XU, G. G., 1673
Yang, G. See Xie, T., 1446
Yang, J.-H.
—; Park, J.; Kim, D.; Lee, D.: Effects of Calcium Carbonate as the Expanding Inhibitor on the Structural and Mechanical Properties of Expanded Starch/Polyvinyl Alcohol Blends, 1762
Yang, J.-H. See Park, J. S., 911
Yang, M.-S. See Yu, Z.-Z., 1462
Yang, M. See Zhao, C., 676
Yang, R.
—; Mather, R. R.; Fotheringham, A. F.: The Influence of Fiber Processing Parameters on the Structural Properties of As-spun Polypropylene Fibers: a Factorial Design Approach, 568
Yang, S. See Lozano, K., 155, 1500
Yang, W.-C. See Huang, Y.-B., 1886
Yang, Y. See Shen, L., 2289
Yao, Z. See Gao, J., 1203
Yavuzcan, H. G. See Keskin, H., 498
Ye, C. See Zhou, G., 131
Ye, L.
—; Huang, R.; Hoffmann, H.; Wang, C.: Study on the Morphology of the Hydrophobicvally-Modified Polyelectrolyte in Aqueous Solution by AFM Measurements, 1175
Yeganeh, M. S. See Tse, M. F., 323
Yehia, A. A.
—; Mull, M. A.; Ismail, M. N.; Hefny, Y. A.; Abdel-Bary, E. M.: Effect of Chemically Modified Waste Rubber Powder as a Filler in Natural Rubber Vulcanizates, 30
Yeo, J.-H. See Lee, K.-G., 2174
Yeom, E. H. See Choi, D.-i., 2082
Yi, J. See Kim, D. W., 1711
Yıldız, A. See Şahin, Y., 526
Yoon, J.-S. See Park, E.-S., 765
Yoon, T. H. See Choi, I. J., 1211
Yoshioka, A. See Seino, T., 2136
Yu, B. See Li, P., 894
Yu, D. See Lu, M., 412
Yu, J. See Ma, X., 1769
Yu, J. See Wang, S., 686
Yu, M. See Gao, J., 1203
Yu, Z.-J. See Gong, S.-L., 637
Yu, Z.-Z.
—; Yang, M.-S.; Dai, S.-C.; Mai, Y.-W.: Toughening of Recycled Poly(Ethylene Terephthalate) with a Maleic Anhydride Grafted SEBS Triblock Copolymer, 1462
Yuan, W.-K. See Cao, G.-P., 1519
Yurteri, S. See Muftuoglu, A. E., 387

Zaikov, G. E. See Kozlov, G. V., 1394
Zeng, Q. See Lozano, K., 155, 1500
Zeng, X. See Fang, Q., 475
Zhang, B. H. See Chen, G. X., 655
Zhang, B.-Y. See Jia, Y.-G., 1736
Zhang, D. See Sun, C. (Qin), 2090
Zhang, D. See Tse, M. F., 323
Zhang, J.
—; Effective Nucleating Chemical Agents for the Crystallization of Poly(trimethylene terephthalate), 590
—; Wang, X.; Gong, J.; Gu, Z.: A Study on the Biodegradability of Polyethylene Terephthalate Fiber and Diethylene Glycol Terephthalate, 1089
Zhang, L. See Huang, J., 624
Zhang, M.-H. See Cao, G.-P., 1519
Zhang, M. See Takeda, K., 920
Zhang, Q.-H.
—; Dai, M.; Ding, M.-X.; Chen, D.-J.; Gao, L.-X.: Morphology of Polyimide Fibers Derived from 3,3′,4,4′-Biphenyltetracarboxylic Dianhydride and 4,4′-Oxydianiline, 669
Zhang, Q. See Liang, H., 681
Zhang, S. See Lu, M., 412
Zhang, T. See Li, N., 1597
Zhang, W. See Chen, P., 1748
Zhang, X. See Zhao, S., 336

Zhang, Y.
—; He, P.; Zou, Q.; He, B.: Preparation and Properties of Water-Swellable Elastomer, 1719
Zhang, Z. See Lu, S., 1236
Zhao, C.
—; Feng, M.; Gong, F.; Qin, H.; Yang, M.: Preparation and Characterization of Polyethylene–Clay Nanocomposites by Using Chlorosilane-Modified Clay, 676
Zhao, H. See Liang, H., 681
Zhao, J. See Gao, J., 2180
Zhao, M.
—; Xiang, Y.: Natural Rubber Vulcanizate Reinforced by Modified Coal-Shale-Based Fillers, 1397
Zhao, S.
—; Zou, H.; Zhang, X.: Structural Morphology and Properties of Star Styrene–Isoprene–Butadiene Rubber and Natural Rubber/Star Styrene–Butadiene Rubber Blends, 336
Zhao, X. See Gao, Z., 1681
Zhao, Y. See Dong, Y., 1553
Zheng, Q. See Lin, Z., 877
Zheng, Z. See Liang, H., 681
Zhong, W. See Shen, L., 2289
Zhou, G.
—; Liu, Y.; Ye, C.: Optical-Limiting Properties of Poly(arylene ehtynylenes) Containing Thiophene Ring, 131
Zhou, J.
—; Yan, F.: Effect of Polyethylene-*graft*-Maleic Anhydride as a Compatibilizer on the Mechanical and Tribological Behaviors of Ultrahigh-Molecular-Weight Polyethylene/Copper Composites, 948
Zhou, X.
—; Huang, Y.: Formation and Morphologies of Ethylcyanoethyl Cellulose/Poly(Î-caprolactone) Blending Films, 550
Zhu, L.
—; Xanthos, M.: Effects of Process Conditions and Mixing Protocols on Structure of Extruded Polypropylene Nanocomposites, 1891
Zhu, P.
—; Sun, G.: Antimicrobial Finishing of Wool Fabrics Using Quaternary Ammonium Salts, 1037
Zhu, X.
—; Gu, Y.; Chen, G.; Cheng, Z.; Lu, J.: Synthesis of Poly(octadecyl acrylate-*b*-styrene-*b*-octadecyl acrylate) Triblock Copolymer by Atom Transfer Radical Polymerization, 1539
Zhu, Y.
—; Ren, X.; Wu, C.: Influence of Alkali Treatment on the Structure of Newcell Fibers, 1731
Zhu, Z.-N. See Cao, G.-P., 1519
Zink-Sharp, A. G. See Rennecker, S., 1484
Zou, H. See Zhao, S., 336
Zou, Q. See Zhang, Y., 1719
Zukas, W. See Roylance M., 1609
Zuo, Y. See Li, N., 1597

Journal of Applied Polymer Science

Subject Index to Volume 93

Acid removal, 1378
Activated carbon holoow fibers, 602
Activation energy, 47
Addition polyimides, 475
Addition polymerization, 961
Additive, 1546
Additives, 778, 920
Adhesion, 323, 1211
Adhesives, 1060
Adsorption, 227, 637, 719, 883, 1326, 1577
Adsorption properties, 602
Ageing, 437, 1553
Agriculture, 1360
Agriculture residues, 37
Alginates, 1372
Aliphatic polycarbonates, 534
Amonium polyphosphate (APP), 412
Amorphous, 92
Anhydrous ER fluids, 1559
Anionic dyes, 227
Anionic polymerization, 310
Anionomers, 136
Antimicrobial polymer, 1411
Antioxidants, 437
Association, 122
Asymmetric structure, 471
Atactic poly(vinyl alcohol) (a-PVA), 41
Atomic force microscopy (AFM), 1175, 1192
Atom transfer radical polymerization (ATRP), 387, 1539
Avrami theory, 279
Azo polyamides, 1305
Azo polymers, 444

Barrier films, 23
β-cyclodextrin, 1681
Beer–Lambert law, 1157
Biocompatibility, 927
Biodegradability, 1007
Biodegradable, 428
Biodegradation, 1089
Biofibers, 428
Biological application of polymers, 765
Biological applications of polymers, 972
Biomaterials, 927
Biopolymer, 1219
Blending, 550, 809, 833, 1264
Blends, 82, 179, 196, 314, 336, 364, 420, 437, 483, 624, 686, 700, 870, 877, 911, 1129, 1151, 1378, 1423, 1567, 1616
Block copolymers, 387, 444, 870
Blowing agents, 505
Bound rubber, 1001
Branes, 209
Brittle cellulose, 1673

Calcium carbonate, 911
Calorimetry, 1473
Carbon black, 513
Carbon dioxide, 545
Catalysts, 630, 854, 1512, 1602
Catalytic activity, 994
Cationic polymerization, 219, 387, 584
Cationic starch, 201, 227
Cations, 1436
Characterization, 372
Charge transfer, 131, 1337
Chitosan, 809, 1097, 1326, 1553, 1616
Chitosan derivatives, 1559
Chlorinated polyethylene, 1129
Chromatography, 719
Clay, 464, 608, 676, 758, 1102, 1299
^{13}C-NMR, 1372
CO_2, 1236
Coating, 833
Coatings, 498, 1252
Cold plasma, 1411
Compatibility, 314, 402, 686, 1666
Compatibilization, 420, 624, 948, 1446, 1462, 1567
Composite films, 1264
Composite matrix resins, 475
Composite membranes, 1384
Composites, 155, 428, 778, 789, 948, 1102, 1240, 1285, 1293, 1299, 1484, 1609
Comuter modeling, 1609
Conducting, 736, 1631
Conducting composites, 736
Conducting polymers, 82, 189, 526, 700, 956, 1031, 1317, 1597
Conductive polymer composite, 513
Conformational analysis, 47
Conjugated polymers, 131
Copolymerization, 261, 894, 1077, 1136, 1681
Crazing, 1271
Creep, 247, 444
Crosslinking, 75, 323, 395, 505, 845, 894, 901, 1179, 1252, 1326, 1360, 1673
Crosslinking resin, 1602
Crystallization, 279, 513, 590, 615, 655, 870, 877, 1203, 1539
Crystal structures, 9, 402
Cubic-silsesquioxane, 907
Cure time, 1001
Curing of polymers, 1192, 1285, 1609
Cyclohexene epoxidation, 1602

Degradation, 911, 1219, 1378
Degree of substitution, 201
Desalination, 883
Diblock copolymers, 490
Dielectric constant, 821
Dielectric properties, 235, 1305, 1531
Differential scanning calorimetry, 966, 1423
Differential scanning calorimetry (DSC), 9, 279, 662, 877, 1609
Differential thermal analysis, 1512
Diffusion, 92, 136, 560, 644, 934, 1337, 1401
Diffusion coefficient, 1157
Diisocyanates, 1647
Dimer acid-*co*-alkyl polyamine, 1526
Dimethacrylate, 1348
Disperse red 1, 172
Dispersion, 545
Dispersions, 136, 196, 1337
DMTA, 726, 1348
Drawing, 986
Drug delivery systems, 92
DSC, 726, 1236, 1553
DTA-TG, 942
DTP, 1089
Dyes, 681
Dyes/pigments, 637, 719
Dynamic mechanical analysis, 1666
Dynamic packing, 1584, 1591
Dynamic relaxation spectrum, 534

Effect of strain on viscoelastic time constants, 1329
Efficiency, 201
Elasomers, 113
Elastic constants, 63
Elastomers, 483, 758, 845
Electrical properties, 513
Electrochemical polymerization, 189
Electrochemical synthesis, 736
Electrochemistry, 526, 927, 1230, 1317
Electron microscopy, 271, 1423, 1473
Electrorheological fluids, 1681
Electrospinning, 1638
Emulsion polymerization, 82, 1136

Encapsulation, 1567
Environment, 1089
Enzymes, 555, 927, 1526
Epoxy, 1348
Epxidized soybean oil, 356
ER suspension image, 1559
Esterification, 765
Ethylene carbonate, 294
Ethylene-*co*-tetrafluoroethylene (ETFE), 1012
Ethylene–octene copolymer, 901, 1179
Ethylene–octene copolymer (mPE), 179
Extrusion, 911, 1021, 1501

Fabrics/fibers, 145
Factorial experimental design, 455
Fiber reinforcement, 356
Fibers, 119, 568, 669, 681, 789, 956, 986
Fick's law, 1157
Filled rubber compound, 1001
Filler, 30
Fillers, 1, 615, 1397
Films, 172, 189, 550, 927, 1305
Fischer-Tropsch wax, 662
Flame reatardance, 412
Flexural properties, 1660
Flow curve, 534
Fluorescence, 1186
Fluorinated oligomers, 521
Fluoropolyimides, 821
Fluoropolymers, 1501
Fluorosulfonic acid, 526
Foam extrusion, 1060
Foaming agent, 1060
Foams, 364
Folding endurance, 1673
Food contact, 23
Formaldehyde, 1411
Fracture, 1271
FTIR, 145, 1021, 1372
FT-IR, 444, 662
Functionalization of polymers, 630, 662, 765, 803, 1411, 1673, 972972

Gas permeation, 395, 934, 1102
Gas-phase polymerization, 1042, 1053
Gelation, 490, 966, 1394
Gel permeation chromatography (GPC), 771
Gels, 1372
Gel time, 1285
Glass transition, 560, 809, 1151, 1348, 1553
Glass transition temperature, 821
Glucose, 809
Glutaraldehyde, 1673
Glycidyl methacrylate, 994
Glyoxal, 1673
GPC, 920
Graft copolymers, 145, 172, 314, 455, 630, 833
Grafting, 662
Grafting efficiency, 455
Graft polymerization, 1224

Hardness, 498
High-density polyethylene, 471
High-density polyethylene (HDPE), 179
High performance polymers, 669, 1631
Hollow fiber membrane, 471
Homopolymers, 1118
Host-guest systems, 1681
Hot compaction, 796
Humidity sensitivity, 1597
Hyaluronic acid, 1097
Hybrid films, 1198
Hybrid materials, 907
Hybrid system, 1473
Hydrogel, 1097, 1454
Hydrogels, 1493
Hydrogen bonds, 1623
Hydrophilic polymers, 1493

Immiscibility, 1546
Immobilized complex, 1602
Impact energy, 1446
Impact resistance, 1271, 1462, 1666
Impact strength, 1660
Incompatibility, 711
Infared spectroscopy, 271, 651, 845, 1512
Initiators, 271, 1519
Injection molding, 301, 1021, 1186, 1584, 1591
Inorganic materials, 977
In situ reduction, 1531
Integral passive technology, 1531
Interfaces, 323, 428
Intumescence, 402
Invertase, 1526
Ion-exchange, 883
Ion exchanger, 803
Ion exchangers, 209
Ionomers, 209
IR, 920
Irradiation, 172
Isotactic, 56

Kinetics, 294, 655, 1097, 1118
Kinetics (polym.), 261, 279, 854, 1519, 1526
Kraton™ rubber, 1329

Laponite clay, 1252
Laser dyes, 1157
Latex allergy, 555
Latices, 455, 833
Length of side chain, 534
Light scattering, 771
Lipase, 1089
Liquid crystalline polymers, 1118
Liquid crystalline polymers (LCP), 550, 1616
Liquid-crystalline polymers (LCP), 711
Listeria monocytogenes, 1411
Low-density polyethylene, 471
Luminescence, 681

Macroionophores, 1436
Macromonomer, 310, 545
Magnetic polymers, 719, 778, 894, 1264
Magnetic separation, 894
Malamine, 294
Maleated polypropylene compatibilizer, 100
Maleated styrene-(ethylene-*co*-butene)-styrene (SEBS), 1446
Maleic anhydride, 662
Mass spectrometry, 271
Mechanical properties, 136, 235, 336, 342, 483, 608, 644, 711, 736, 821, 920, 948, 956, 1021, 1166, 1198, 1230, 1271, 1293, 1299, 1305, 1329, 1423, 1584
Mechanism, 294
Melt, 364
Melt condensation, 942
Melt viscosity, 37
Membranes, 395, 934, 1401, 1436
Metallocene catalysts, 1546
Metal-polymer complexes, 1031, 1512
Methyl α-hydroxymethyl acrylate (MHMA), 1252
Microbe, 1089
Microcellular foaming, 163
Microstructure, 1110, 1591
Microwave1647
Miscibility, 726, 1077, 1616
Mixed-solvent, 994
Modeling, 92, 247, 261, 771, 1042, 1053, 1271
Modification, 676, 1397
Modulus, 41
Molecualr weight distribution, 534
Molecular imprinting, 637
Molecular recognition, 637
Molecular weight, 41, 1638
Morphology, 113, 336, 402, 483, 550, 615, 669, 778, 870, 966, 1065, 1175, 1198, 1203, 1577
Mossbauer spectra, 942
Multilane circulating reactor, 1042
Multizone circulating reactor, 1053

Nancomposites, 1631
Nanfabric, 1638
Nanocomposite, 100
Nanocomposites, 342, 378, 464, 608, 655, 676, 749, 758, 1007, 1110, 1531, 1597

Nanoparticles, 1411
Naphthalate, 796
Natural rubber, 555, 1129
n-butylacrylate, 1519
Networks, 1348
Neutron scattering, 490
NLO, 131
NMR, 235, 323, 372, 577
Nonlinear stress relaxation, 1329
Nr-*g*-(St-*co*0MMA), 1666
Nucleation, 163, 590
Nylon, 420, 742, 789, 1446

Octadecyl acrylate, 1539
Oil resistance, 1129
Olefin breakage, 1378
Oligomers, 294, 437
Optically active polymers, 1647
Optical transparency, 821
Optics, 681
Organoclay, 100
Orientation, 9, 1623

Palladium chloride, 1329
Paper, 1673
Partial cure, 1348
Partial least squares, 1136
Peroxide, 1179
Peroxides, 75
Pertraction, 1436
Pervaporation, 1384
PET fiber, 1089
PGI, 726
Phase behavior, 179, 845, 1077, 1240
Phase separation, 749
Phase transfer catalysis, 651
Phenol formaldehyde resin, 1060
Photografting, 994
Photopolymerization, 387, 1252, 1473
Photosensitizer, 1473
Phthalocyanines, 521
Plasma polymerization, 145, 1031, 1317
Plasticization, 395
Plywood, 1060
POE-*g*-GMA, 412
Polarity, 662
Polyacrylamide, 1360
Polyacrylonitrile, 602
Polyamide blends, 23
Poly(amide imide)s, 1647
Polyamides, 560, 1264
Polyamphoteric membranes, 1454
Polyaniline, 1597
Polybutadiene, 854, 1293, 1299
Polycarbonate, 920, 934
Polycarbonates, 644, 1186
Polychloroprene rubber, 196
Polycondensation, 1647
Polyelectrolyte complex, 1454
Polyelectrolytes, 47, 490, 1175, 1211, 1577
Polyesters, 428, 590, 1567
Polyethers, 219, 577
Poly(ether sulfones), 651, 1211
Polyethylene, 513, 796, 994, 1021, 1042, 1053, 1591
Polyethyleneamine, 356
Poly(ethylene-*co*-octene), 9
Polyethylene (PE), 75, 155, 364, 676, 686, 948, 1546, 1584
Polyethylene terephthalate, 1462
Polyetylene (PE), 1203
Polyimide, 1192, 1198
Polyimides, 342, 475, 669, 1065
Polymer blends, 372, 726, 1230
Polymer characterization, 23
Polymerization, 833, 1236
Polymer solution, 1157
Poly(*N*-methyldodecano-12-lactam) (MPA), 279
Polyolefin, 1567
Polyolefins, 464, 758, 1484
Polypropylene, 100, 113, 615
Polypropylene (PP), 172, 179, 402
Poly(propylene) PP, 1224
Poly(Propylene) (PP), 420
Poly(propylene) (PP), 364, 378, 412, 877, 1203
Polypropylenes, 568
Polypyrrole, 82
Polypyrroles, 526, 736
Polysiloxanes, 342, 584, 637, 1384
Polystyrene, 219, 490, 545, 644, 934
Poly(tetramethylene asparate), 942
Polyurethanes, 700, 845
Poly(vinyl alcohol), 911, 1151, 1616
Poly(vinyl chloride), 966
Poly(vinylidene fluoride), 209
Poly (vinylidene fluoride) (PVDF), 1012
Poly(4-vinyl phenol) Blend, 1623
Poly(vinyl pyridine) PVC, 749
Polyvinylpyrrolidone, 47
Potassium polyacrylate, 1360
Pressure sensitive adhesive, 1007
Processing, 568, 1501
Process monitoring, 1136
Process parameter, 1638
Process variables, 455
Properties, 901
Propylene polymerization, 56
Propylene–styrene copolymer, 314
Protein, 555, 624
PS, 726
PS composite, 37
Pseudothermoset, 82
PS-NR blends, 1660
PS-SNR blends, 1660
Pulp, 1673
PVA, 1638

Radiation, 1224, 1360
Radical polymerization, 387, 505, 1394, 1519
Raman spectroscopy, 189, 1136, 1285
Reaction kinetics, 1236
Reactive extrusion, 201, 901, 1462
Reactive processing, 1186
Rectorite, 608
Recycling, 1166, 1462
Redox polymers, 219
Reinforcement, 30, 1584, 1591
Remote plasma, 1012
Renewable resources, 1577
Resin, 977
Resins, 560, 883, 972, 1060, 1285
Rheology, 41, 113, 155, 686, 1166, 1423, 1546, 1623
Ring opening polymerization, 294
Ring-opening polymerization, 310
Rubber, 323, 455, 833, 854, 1166, 1397
Rubbing, 1192

SAXS, 301
Scanning electron microscopy, 1666
Self-assembly of fluorinated oligomer, 521
Self-doped polypyrrole, 526
Sensors, 1136
Separation of polymers, 1436
Separation technique, 894
Separation techniques, 1372
Shear, 41, 378
Shear stress, 1559
Short-beam test, 63
Silane, 1179
Silane grafting, 901
Silica, 1198
Silicas, 196, 209, 749, 1597
Silicones, 310
Silver, 1411
Sirotherm process, 883
SMA, 726
Solid free form fabrication, 356
Solid state polymerization, 1071
Solid-state structure, 1512
Solubility, 521
Solution properties, 122
Sorbent fabric, 883
Spectroscopic techniques, 942
Spherulites, 550
Stabilization, 545
Starch, 227, 301, 686, 911
Star polymers, 219
Starved feed reactor, 1519
Statistical approach, 568
Strain, 247
Stress, 247
Structural properties, 568
Structure, 163, 778
Structure effects, 1559
Structure-property relations, 1, 961

Superabsorbency, 1007
Superabsorbent hydrogels, 1360
Supercritical, 545
Supercritical carbon dioxide, 1501
Supercritical CO_2, 163
Supports, 56, 1602
Surface modification, 145, 521, 1012, 1186
Surfaces, 122, 498, 584, 1493, 1577
Surfactants, 310
Suspension polymerization, 1077
Swelling, 113, 742, 1097, 1384, 1493
Syndiotactic polystyrene, 1501
Synthesis, 140, 314, 651, 1071, 1264, 1539, 1681

TEM, 1007, 1102, 1110, 1531
Temperature-modulated DSC, 1151
Tensile properties, 1305, 1660
Theory, 92, 986
Thermally induced phase separation, 471
Thermal properties, 235, 577, 615, 736, 749, 821, 961, 977, 1071, 1151, 1230, 1240, 1378, 1526
Thermal resistance, 1129
Thermodynamics, 803
Thermogravimetric analysis, 1, 977
Thermogravimetric analysis (TGA), 395, 711, 1484, 1647
Thermogravi9metric analysis (TGA), 845
Thermogravimetrics analysis, 907
Thermoplastic, 1484
Thermoplastic polyurethane rubber (TPUR), 608
Thermoplastics, 590
Thermosensitive polymer, 1454
Thermoset resins, 475
Thin films, 1317
Thin polymer films, 1192
Thiophosphoryl disulfide, 196
Three-point bending test, 63
Titanium oxidation states, 56
Torque, 966
Toughness, 412, 1446
Transition breadth, 1348
Triblock copolymer, 1539
Trifluoroacetic acid, 189
Twin-screw compounding, 100
Twin-screw extruder, 201

Unidirectional-fiber-reinforced epoxy composite, 63
Urea-deproteinization, 555
UV-vis spectroscopy, 444, 1230

Vapor-grown carbon nanofibers (VGCNFs), 155
Viscoelastic properties, 247, 560, 809, 1384, 1609
Viscosity, 47, 119, 155, 590, 1001
Vulcanization, 30, 1423

Waste, 1397
Waste rubber powder, 30
Water-soluble polymers, 122, 1102, 1493
Water sorption, 136
WAXD, 9
WAXS, 301, 1110
Wet strength, 1673
Wilting time, 1360
Wood, 1484

XPS, 1602
X-ray, 711
X-ray photoelectron spectroscopy (XPS), 1012
XRD, 1110

Ziegler-Natta polymerization, 56